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ILLUSTRATED PARTS BREAKDOWN

MODEL 2100A COMPUTER

SERIAL NUMBERS COVERED

This manual applies directly to Model 2100A Computers having serial numbers prefixed 1126-. Computers with higher prefix numbers will be covered in manual updating supplements.

OPTIONS COVERED

This manual covers options 001 and 015 as well as the basic computer.

ACCESSORIES COVERED

This manual covers the following accessory kits:

12884A, 12884A-001, and 12884A-002 Memory
(4K Increments) Accessory Kits

12885A, 12885A-001, 12885A-002, 12885A-003,
and 12885A-004 Memory (8K Increments)
Accessory Kits

12895A Direct Memory Access Accessory Kit

12899A Operator Panel Accessory Kit

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1-1. INTRODUCTION.

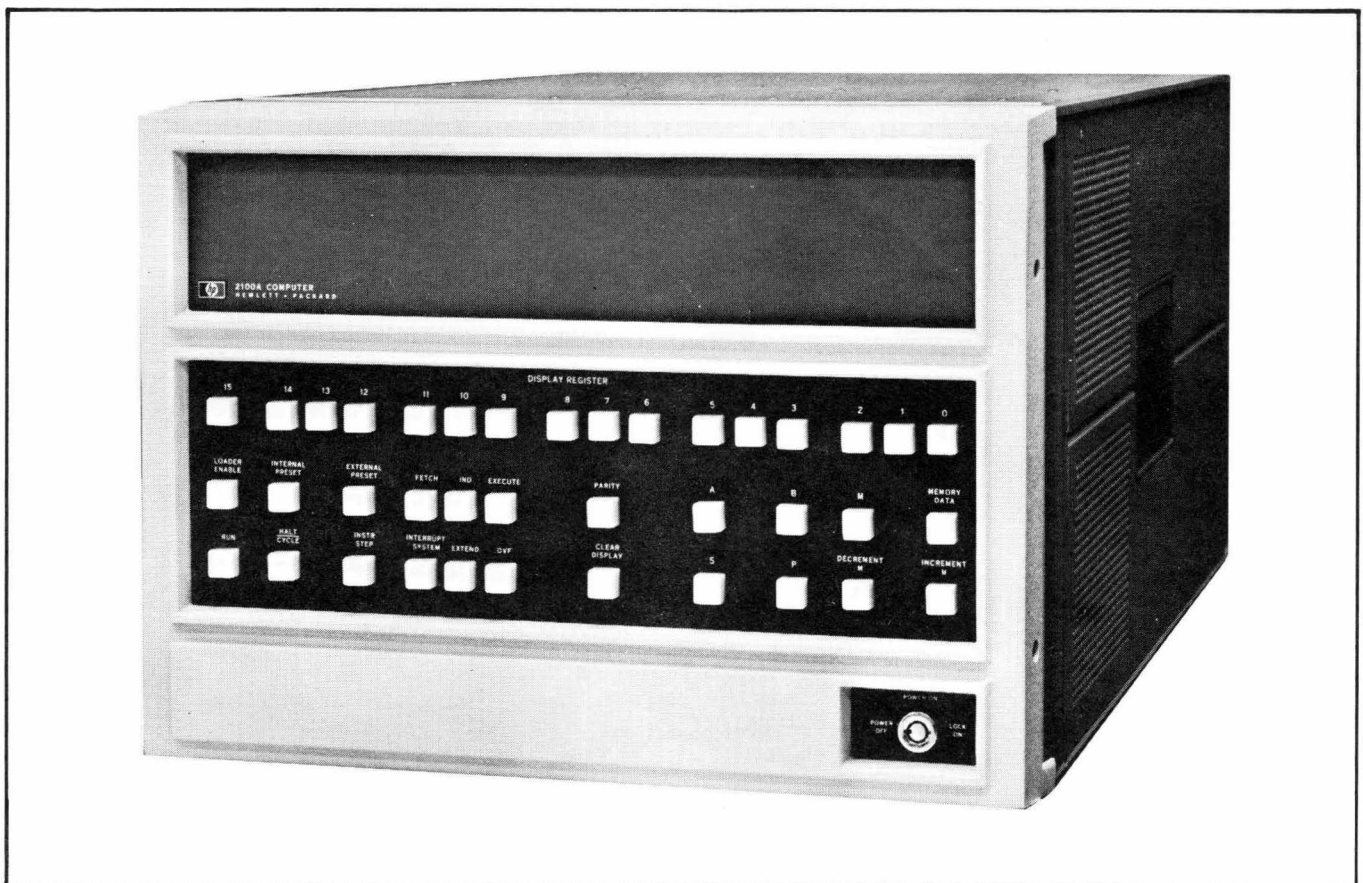
1-2. This HP 2100A Illustrated Parts Breakdown (IPB) Manual, part no. 02100-90004, is one in a set of four manuals that document the Hewlett-Packard 2100A Computer (figure 1-1). The other manuals in the series are: the Reference Manual, part no. 02100-90001, the Installation and Maintenance Manual, part no. 02100-90002, and the Diagrams Manual, part no. 02100-90003. This manual contains replaceable parts ordering information, replaceable parts lists, exploded views, part location diagrams, and numerical lists of parts. The Reference Manual contains specifications, operating instructions, and programming information for the computer. The Installation and Maintenance Manual contains instructions for installation, maintenance, troubleshooting, and repair of the computer. The Diagrams Manual provides interconnecting information and schematic diagrams for the computer. Unless otherwise stated in future updating supplements, information contained in this manual is applicable to 2100A Computers having serial numbers prefixed 1126.

1-3. SCOPE.

1-4. This manual is intended for use by maintenance personnel who are familiar with the maintenance procedures of the 2100A. A thorough understanding of the information presented in the Installation and Maintenance Manual for the computer is essential to using the material presented in this manual.

1-5. Sections II and III of this manual contain the following information:

- a. Section II, Replaceable Parts. Section II describes the replaceable major assemblies, assemblies, and detailed parts for the 2100A Computer, including all options and accessories. I/O interface card and I/O device replaceable parts are listed in their respective operating and service manuals. Exploded or parts location views are located adjacent to the corresponding replaceable parts lists. Where disassembly is significant, replaceable parts are listed and indexed in the order of disassembly.



2133-7

Figure 1-1. HP 2100A Computer

- b. Section III, Numerical Lists. Section III lists all replaceable parts for the 2100A Computer. The parts are segregated into electrical and mechanical usage categories and are listed accordingly. Each of the two tables lists the replaceable part numbers in numerical sequence.
- c. Updating Supplements. If required, updating supplements are included with this manual. These supplements make the manual applicable to computers with serial numbers prefixed higher than 1126.

2-1. INTRODUCTION.

2-2. This section contains information that enables the user to interpret the replaceable parts lists in this section, and information to order replaceable parts for the computer.

2-3. REPLACEABLE PARTS LISTS.

2-4. Replaceable parts lists in this section are in two formats; lists by order of index number and lists by order of reference designation.

2-5. INDEX NUMBERED LISTS.

2-6. The index numbered lists (tables 2-1, 2-19 through 2-24, 2-27, and 2-32 through 2-39) are used in conjunction with the exploded views of the assemblies and subassemblies of the computer. The replaceable parts are referenced to the exploded views by index numbers which are in the order of disassembly except for attaching parts which are indexed immediately after the parts they attach.

2-7. Items in the DESCRIPTION column of the replaceable parts lists are indented to indicate item relationship. In addition, the symbol “— — x — —” follows the last of one or more attaching parts. Indentation is as follows:

MAJOR ASSEMBLY

- * Subassembly
- * Attaching Parts for Subassembly
- ** Subassembly Parts
- ** Attaching Parts for Subassembly Parts

2-8. The columns in the index numbered lists provide the following information for each part:

- a. FIG. & INDEX NO. The figure and index number where the replaceable parts are shown in an exploded view.
- b. HP PART NO. The HP part number for each replaceable part.
- c. DESCRIPTION. The description of each replaceable part and its applicable reference designation. Also lists special applications (accessories and options) of the replaceable part. Refer to table 3-3 for an explanation of abbreviations used in the DESCRIPTION column.
- d. MFR CODE. A five digit code that denotes a typical manufacturer of the part. Refer to table 3-4 for a list of manufacturers.

e. MFR PART NO. The manufacturer's part number for each replaceable part.

f. UNITS PER ASSY. The total quantity of each part used in the assembly or subassembly to which it belongs.

2-9. REFERENCE DESIGNATION ORDER LISTS.

2-10. The lists which are in reference designation order (tables 2-2 through 2-18, 2-25, 2-26, and 2-28 through 2-31) are used in conjunction with the parts location diagrams for the printed-circuit cards. The replaceable parts are referenced to the parts location diagrams by reference designations which correspond to the printed-circuit card schematic diagrams provided in the 2100A Diagrams Manual, part number 02100-90003.

2-11. The columns in the reference designation order lists provide the following information for each part:

- a. REFERENCE DESIGNATION. The assembly designation and complete reference designation for each replaceable part.
- b. HP PART NUMBER. The HP part number for each replaceable part.
- c. QTY. The total quantity of a part used on the printed-circuit card is listed with the first entry for that part number.
- d. DESCRIPTION. The description of each replaceable part. Refer to table 3-3 for an explanation of abbreviations used in the DESCRIPTION column.
- e. MFR CODE. A five digit code that denotes a typical manufacturer of a part. Refer to table 3-4 for a list of manufacturers.
- f. MFR PART NUMBER. The manufacturer's part number for each replaceable part.

2-12. EXPLODED VIEWS.

2-13. The exploded views, which are indexed in disassembly sequence except for attaching parts, correspond to replaceable parts lists in this section. The exploded views begin with figure 2-1 and show major assemblies and parts exploded away from the computer card cage assembly. This gives a representation of all the major assemblies and parts required to assemble the computer. Subsequent exploded views (figures 2-19 through 2-24, 2-27, and 2-32 through 2-39) are used to show the breakdown of the

major assemblies and are accompanied by corresponding replaceable parts lists.

2-14. PARTS LOCATION DIAGRAMS.

2-15. The parts location diagrams (figures 2-2 through 2-18, 2-25, 2-26, and 2-28 through 2-31) are used to show the locations of components on the printed-circuit cards. The diagrams correspond to a reference designation order of replaceable parts lists located adjacent to the parts location diagrams. Reference designations provide correlation between the parts location diagrams and replaceable parts lists. The parts location diagrams are identical to the ones shown in the Diagrams Manual, part number 02100-90003. In that manual, the schematic diagram, parts location diagram, and replaceable parts list for each printed-circuit card are grouped together.

2-16. ORDERING INFORMATION.

2-17. To order replaceable parts for the computer, or an option or accessory, address the order to the local Hewlett-Packard Sales and Service Office listed at the end of this manual. (For I/O interface card or I/O device ordering information, refer to their respective operating and service manuals.) The following information should be included in the order for each replaceable part.

- a. Complete computer model number (including options and accessories) and serial number.
- b. Hewlett-Packard part number for each part.
- c. Complete description for each part as provided in the replaceable parts lists.
- d. Circuit reference designation, if applicable, as shown in the replaceable parts lists.

Table 2-1. HP 2100A Computer, Replaceable Parts

FIG & INDEX NO.	HP PART NO.	DESCRIPTION	MFR CODE	MFR PART NO.	UNITS PER ASSY
2-1-1	2100A 02100-00110	COMPUTER * Cover, Access, top (Attaching Parts)	28480 28480	2100A 02100-00110	1 1
2	2360-0200	* Screw, Machine, flh, No. 6-32, 1/2 in. ---- x ----	00000	OBD	4
3	02100-60052	* Connector Assembly	28480	02100-60052	2
4	02100-60054	* Connector Assembly	28480	02100-60054	2
5	02100-60018	* Cable Assembly, A105 to A106 to A108, and A105 to A107 to A108 (24K and 32K Memory only)	28480	02100-60018	2
	02100-60028	* Cable Assembly, A105 to A106 (4K thru 16K Memory only) (Not shown in figure 2-1)	28480	02100-60028	1
	02100-60029	* Cable Assembly, A105 to A107 (4K thru 16K Memory only) (Not shown in figure 2-1)	28480	02100-60029	1
6	02100-00015	* Retainer, Printed-Circuit Card	28480	02100-00015	1
7	02100-60014	* Timing and Control Card (A1) (see figure 2-2)	28480	02100-60014	1
8	02100-60002	* ROM Control Card (A2) (see figure 2-3)	28480	02100-60002	1
9	02100-60004	* Microinstruction Decoder 1 Card (A3) (see figure 2-4)	28480	02100-60004	1
10	02100-60022	* Microinstruction Decoder 2 Card (A4) (see figure 2-5)	28480	02100-60022	1
11	02100-60001	* Arithmetic/Logic Card (A5) (see figure 2-6)	28480	02100-60001	1
12	02100-60003	* Instruction Register Decoder Card (A6) (see figure 2-7)	28480	02100-60003	1
13	02100-60024	* I/O Control Card (A7) (see figure 2-8)	28480	02100-60024	1
14	02100-60007	* I/O Buffer Card (A8) (see figure 2-9)	28480	02100-60007	1
15	12895-60001	* Direct Memory Access Card (A9) (see figure 2-10)	28480	12895-60001	1
16	02100-60060	* I/O Terminator Card (A16) (see figure 2-11)	28480	02100-60060	1
17	02100-60012	* X-Y Driver/Switch Card (A101) (12K thru 32K Memory only) (see figure 2-12)	28480	02100-60012	1
18	02100-60040	* Core Stack/Sense Amplifier Card (A102) (12K Memory only) (see figure 2-13)	28480	02100-60040	1
	5060-8324	* Core Stack/Sense Amplifier Card (A102) (16K thru 32K Memory only) (see figure 2-14)	28480	5060-8324	1
19	02100-60040	* Core Stack/Sense Amplifier Card (A103) (4K Memory only) (see figure 2-13)	28480	02100-60040	1
	5060-8324	* Core Stack/Sense Amplifier Card (A103) (8K thru 32K Memory only) (see figure 2-14)	28480	5060-8324	1
20	02100-60012	* X-Y Driver/Switch Card (A104) (4K thru 32K Memory) (see figure 2-12)	28480	02100-60012	1
21	02100-60008	* Inhibit Driver Card (A105) (4K thru 8K Memory only) (see figure 2-15)	28480	02100-60008	1
	02100-60009	* Inhibit Driver Card (A105) (12K thru 32K Memory only) (see figure 2-16)	28480	02100-60009	1
22	02100-60010	* Inhibit Driver Load Card (A106) (4K thru 32K Memory) (see figure 2-17)	28480	02100-60010	1
23	02100-60011	* Data Control Card (A107) (4K thru 32K Memory) (see figure 2-18)	28480	02100-60011	1
24	02100-60009	* Inhibit Driver Card (A108) (24 or 32K Memory only) (see figure 2-16)	28480	02100-60009	1
25	02100-60012	* X-Y Driver/Switch Card (A109) (12K Memory only) (see figure 2-12)	28480	02100-60012	1
26	5060-8324	* Core Stack/Sense Amplifier Card (A110) (24K or 32K Memory only) (see figure 2-14)	28480	5060-8324	1
27	5060-8324	* Core Stack/Sense Amplifier Card (A111) (32K Memory only) (see figure 2-14)	28480	5060-8324	1
28	02100-60012	* X-Y Driver/Switch Card (A112) (32K Memory only) (see figure 2-12)	28480	02100-60012	1
29	02100-20014	* Bezel, front (Attaching Parts)	28480	02100-20014	1
30	3030-0034	* Screw, Cap, Socket Head, No. 10-24, 1/2 in. ---- x ----	00000	OBD	4
31	02100-00164	* Screen, front bezel	28480	02100-00164	2

Table 2-1. HP 2100A Computer, Replaceable Parts (Continued)

FIG & INDEX NO.	HP PART NO.	DESCRIPTION	MFR CODE	MFR PART NO.	UNITS PER ASSY
2-1-32	02100-60015	* Operator Panel (A24) (see figure 2-19)	28480	02100-60015	1
	02100-60017	* Controller Panel (A24) (option 001 only) (see figure 2-20) (Attaching Parts)	28480	02100-60017	1
33	2200-0143	* Screw, Machine, ph, No. 4-40, 3/8 in.	00000	OBD	4
34	3050-0229	* Washer, Flat, No. 4 ---- x ----	00000	OBD	4
35	5060-8716	* Cover, Access, bottom (Attaching Parts)	28480	5060-8716	1
36	2360-0200	* Screw, Machine, flh, No. 6-32, 1/2 in. ---- x ----	00000	OBD	4
37	5060-0767	* Foot, Rubber	28480	5060-0767	4
38	02100-00041	* Cover, Access, side (Attaching Parts)	28480	02100-00041	2
39	2360-0200	* Screw, Machine, flh, No. 6-32, 1/2 in. ---- x ----	00000	OBD	6
40	02100-60053	* Power Supply Assembly (A25) (see figure 2-21) (Attaching Parts)	28480	02100-60053	1
41	2510-0123	* Screw, Machine, flh, No. 8-32, 1/2 in.	00000	OBD	4
42	2190-0048	* Washer, Lock, countersunk, No. 8	00000	OBD	4
43	2510-0107	* Screw, Machine, ph, No. 8-32, 1/2 in.	00000	OBD	2
44	2190-0076	* Washer, Lock, split, No. 8	00000	OBD	2
45	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	4
46	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	4
47	3050-0227	* Washer, Flat, No. 6 ---- x ----	00000	OBD	4
48	5000-2595	* Spacer, Plate, power supply	28480	5000-2595	1
49	02100-60041	* Plenum Chamber Assembly (A26) (see figure 2-22) (Attaching Parts)	28480	02100-60041	1
50	2510-0123	* Screw, Machine, flh, No. 8-32, 1/2 in.	00000	OBD	4
51	2190-0048	* Washer, Lock, countersunk, No. 8	00000	OBD	4
52	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	2
53	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	2
54	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	4
55	2190-0851	* Washer, Lock, split, No. 6 ---- x ----	00000	OBD	4
56	5000-2595	* Spacer, Plate, plenum chamber assembly	28480	5000-2595	1
57	5060-0222	* Handle Assembly (Attaching Parts)	28480	5060-0222	2
	2510-0103	* Screw, Machine, ph, No. 8-32, 3/8 in.	00000	OBD	2
	2190-0073	* Washer, Lock, split, No. 8 ---- x ----	00000	OBD	2
58	02100-00002	* Deflector, Airflow (Attaching Parts)	28480	02100-00002	2
	2510-0108	* Screw, Machine, flh, No. 8-32, 5/8 in.	00000	OBD	6
	2190-0048	* Washer, Lock, countersunk, No. 8 ---- x ----	00000	OBD	6
59	1400-0126	* Clamp, Cable (Attaching Parts)	09922	HP-4N	6
	2510-0123	* Screw, Machine, flh, No. 8-32, 1/2 in.	00000	OBD	1
	2190-0076	* Washer, Lock, split, No. 8	00000	OBD	1
	3050-0139	* Washer, Flat, No. 8	00000	OBD	1
	2580-0004	* Nut, Plain, Hexagon, No. 8 ---- x ----	00000	OBD	1
60	02100-00029	* Molding, metal (adhesive backed)	28480	02100-00029	2
61	02100-20012	* Bar, Mounting, bezel (Attaching Parts)	28480	02100-20012	4
62	2510-0123	* Screw, Machine, flh, No. 8-32, 1/2 in.	00000	OBD	1
63	2190-0048	* Washer, Lock, countersunk, No. 8 ---- x ----	00000	OBD	1

Table 2-1. HP 2100A Computer, Replaceable Parts (Continued)

FIG & INDEX NO.	HP PART NO.	DESCRIPTION	MFR CODE	MFR PART NO.	UNITS PER ASSY
2-1-64	0590-0053	* Nut, Sheet Spring	78553	C17859-632-24D	4
65	02100-20015	* Frame, left side (Attaching Parts)	28480	02100-20015	1
66	2510-0123	* Screw, Machine, flh, No. 8-32, 1/2 in.	00000	OBD	18
67	2190-0048	* Washer, Lock, countersunk, No. 8 --- x ---	00000	OBD	18
68	02100-00166	* Bracket, Mounting, power supply (Attaching Parts)	28480	02100-00166	2
	2510-0123	* Screw, Machine, ph, No. 8-32, 1/2 in.	00000	OBD	2
	2190-0048	* Washer, Lock, countersunk, No. 8 --- x ---	00000	OBD	2
69	02100-20015	* Frame, right side (Attaching Parts)	28480	02100-20015	1
	2510-0123	* Screw, Machine, flh, No. 8-32, 1/2 in.	00000	OBD	8
	2190-0048	* Washer, Lock, countersunk, No. 8 --- x ---	00000	OBD	8
70	1251-2364	* Connector, PC card, 86-pin (XA24) (Attaching Parts)	00779	2-67015-1	1
	2360-0205	* Screw, Machine, ph, No. 6-32, 3/4 in.	00000	OBD	1
	2420-0001	* Nut, Assembled Washer, No. 6-32 --- x ---	00000	OBD	1
71	02100-20001	* Bracket, Connector (Attaching Parts)	28480	02100-20001	2
	2200-0143	* Screw, Machine, ph, No. 4-40, 3/8 in.	00000	OBD	2
	2190-0108	* Washer, Lock, split, No. 4 --- x ---	00000	OBD	2
72	3103-0002	* Switch, Thermal (169°F) (S3)	28480	3103-0002	1
73	02116-0033	* Clip, Retaining, thermal switch (Attaching Parts)	28480	02116-0033	1
	2200-0143	* Screw, Machine, ph, No. 4-40, 3/8 in.	00000	OBD	1
	2190-0108	* Washer, Lock, split, No. 4 --- x ---	00000	OBD	1
74	5020-1922	* Spacer, Sleeve, Nylon, int-thread, No. 4 1/4 in. OD, 1/2 in. long (Attaching Parts)	28480	5020-1922	4
	2200-0143	* Screw, Machine, ph, No. 4-40, 3/8 in.	00000	OBD	1
	2190-0108	* Washer, Lock, split, No. 4 --- x ---	00000	OBD	1
75	02100-60051	* Power Switch Assembly (see figure 2-23) (Attaching Parts)	28480	02100-60051	1
	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	2
	2190-0851	* Washer, Lock, split, No. 6 --- x ---	00000	OBD	2
76	02100-00018	* Front Panel (Attaching Parts)	28480	02100-00018	1
77	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	2
	2190-0851	* Washer, Lock, split, No. 6 --- x ---	00000	OBD	2
78	No Number	* Card Cage Assembly (cannot be ordered as a complete unit) (see figure 2-24)			1
		(The following items are part of the 2100A Computer but are not shown in figure 2-1)			
	5060-0776	* Kit, Rack Mounting	28480	5060-0776	1
	02100-90001	* HP 2100A Reference Manual	28480	02100-90001	1
	02100-90002	* HP 2100A Installation and Maintenance Manual	28480	02100-90002	1
	02100-90003	* HP 2100A Diagrams Manual	28480	02100-90003	1
	02100-90004	* HP 2100A Illustrated Parts Breakdown Manual	28480	02100-90004	1

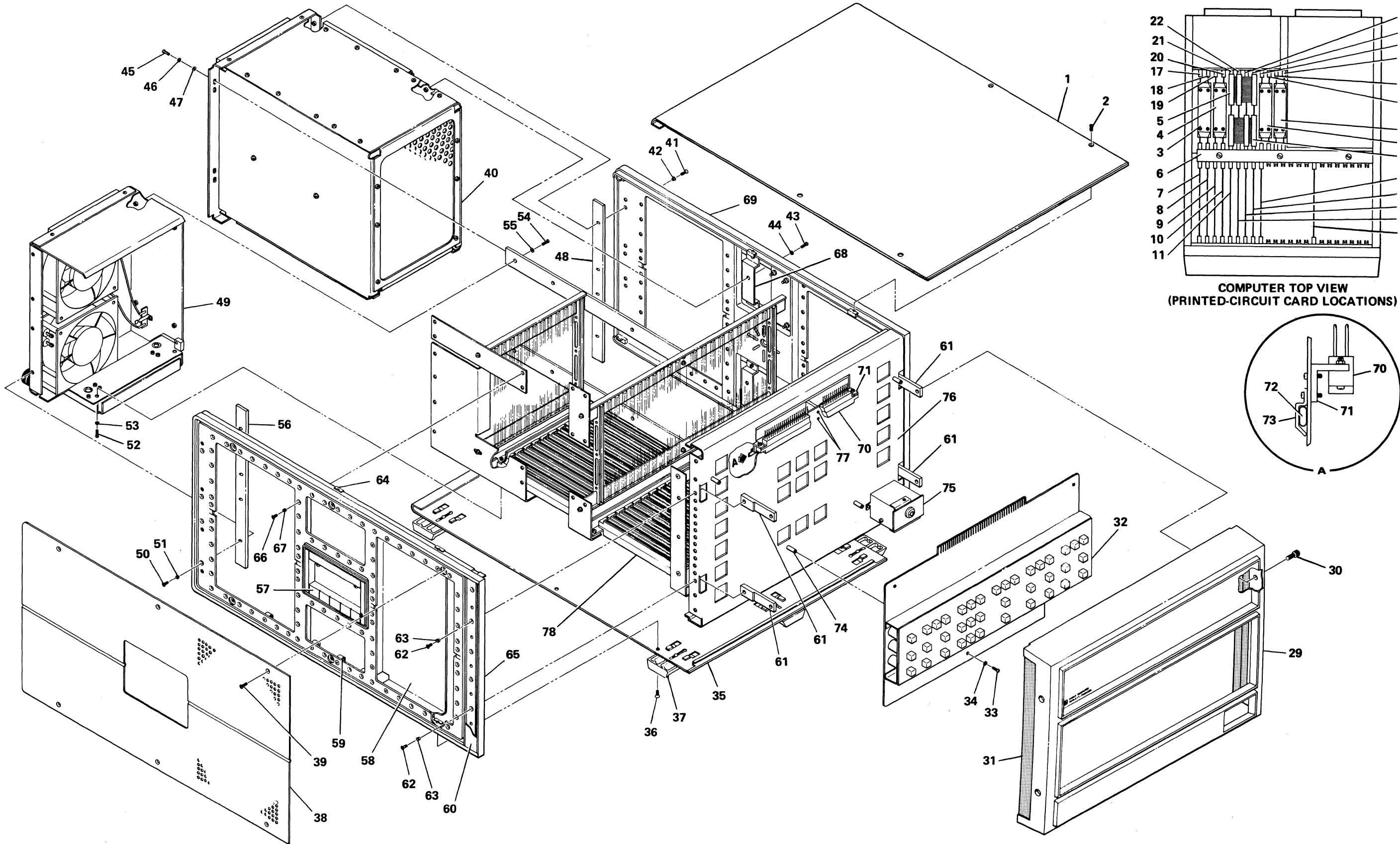


Figure 2-1. HP 2100A Computer, Exploded View

Table 2-2. A1 Timing and Control Card, Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A1	02100-60014	1	TIMING AND CONTROL CARD ASSY	28480	02100-60014
A1C1	0180-0197	6	C:FxD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A1C2	0180-0197		C:FxD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A1C3	0160-2055	28	C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C4	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C5	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C6	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C7	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C8	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C9	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C10	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C11	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C12	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C13	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C14	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C15	0180-0197		C:FxD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A1C16	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C17	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C18	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C19	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C20	0180-0197		C:FxD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A1C21	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C22	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C23	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C24	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C25	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C26	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C27	0180-0197		C:FxD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A1C28	0180-0197		C:FxD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A1C29	0140-0198	1	C:FxD MICA 200 PF 5%	72136	RDM15F201J3C
A1C30	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C31	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C32	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C33	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C34	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1C35	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A1E1	0360-0294	5	TERMINAL:SOLDER POINT	28480	0360-0294
A1E2	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A1E3	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A1E4	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A1E5	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A1R1	0757-0280	15	R:FxD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A1R2	0757-1094	3	R:FxD MET FLM 1.47K OHM 1% 1/8W	28480	0757-1094
A1R3	0698-3446	3	R:FxD MET FLM 383 OHM 1% 1/8W	28480	0698-3446
A1R4	0698-3446		R:FxD MET FLM 383 OHM 1% 1/8W	28480	0698-3446
A1R5	0757-0284	1	R:FxD MET FLM 150 OHM 1% 1/8W	28480	0757-0284
A1R6	0757-0280		R:FxD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A1R7	0757-0416	13	R:FxD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A1R8	0757-0416		R:FxD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A1R9	0757-0416		R:FxD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A1R10	0757-0416		R:FxD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A1R11	0757-0416		R:FxD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A1R12	0757-0416		R:FxD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A1R13	0757-0416		R:FxD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A1R14	0757-0280		R:FxD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A1R15	0757-0280		R:FxD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A1R16	0757-0416		R:FxD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A1R17	0757-0416		R:FxD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A1R18	0757-0280		R:FxD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A1R19	0757-0280		R:FxD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A1R20	0757-0280		R:FxD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A1R21	0698-3440	1	R:FxD MET FLM 196 OHM 1% 1/8W	28480	0698-3440
A1R22	0757-0416		R:FxD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A1R23	0757-1094		R:FxD MET FLM 1.47K OHM 1% 1/8W	28480	0757-1094
A1R24	0757-0416		R:FxD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A1R25	0757-1094		R:FxD MET FLM 1.47K OHM 1% 1/8W	28480	0757-1094
A1R26	0698-3446		R:FxD MET FLM 383 OHM 1% 1/8W	28480	0698-3446
A1R27	0757-0416		R:FxD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A1R28	0683-1825	2	R:FxD COMP 1800 OHM 5% 1/4W	01121	CB 1825
A1R29	0683-1025	2	R:FxD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A1R30	0683-1825		R:FxD COMP 1800 OHM 5% 1/4W	01121	CB 1825
A1R31	0683-1025		R:FxD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A1R32	0757-0280		R:FxD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A1R33	0757-0280		R:FxD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A1R34	0757-0280		R:FxD MET FLM 1K OHM 1% 1/8W	28480	0757-0280

Table 2-2. A1 Timing and Control Card, Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A1R35	0757-0280	1	R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A1R36	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A1R37	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A1R38	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A1R39	0698-3442		R:FXD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A1R40	0757-0416	2	R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A1R41	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A1S1	3101-1213		SWITCH:TOGGLE DPST-DB SUB-MINIATURE	81640	T8001
A1S2	3101-1213		SWITCH:TOGGLE DPST-DB SUB-MINIATURE	81640	T8001
A1U13	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A1U14	1820-0370	7	IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A1U15	1820-0485	4	IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A1U16	1820-0424	5	IC:TTL HS HEX INVERTER	04713	SN74H04N
A1U17	1820-0954	2	IC:CTL DUAL 4-INPT AND GATE	07263	U6A995479X
A1U23	1820-0186	5	IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A1U24	1820-0966	4	IC:CTL DUAL 2-INPT AND 2W AND/OR GATE	14433	MIC 966
A1U25	1820-0187	1	IC:CTL DUAL 2-INPT NOR GATE	07263	U6A985249X
A1U26	1820-0424	3	IC:TTL HS HEX INVERTER	04713	SN74H04N
A1U27	1820-0954		IC:CTL DUAL 4-INPT AND GATE	07263	U6A995479X
A1U33	1820-0965		IC:CTL QUAD 1-INPT AND GATE	07263	U6A996579X
A1J34	1820-0186	4	IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A1J35	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A1J36	1820-0964		IC:CTL TRIPLE 3-3-1 INPT AND GATE	14433	MIC 964
A1J37	1820-0964		IC:CTL TRIPLE 3-3-1 INPT AND GATE	14433	MIC 964
A1J43	1820-0965		IC:CTL QUAD 1-INPT AND GATE	07263	U6A996579X
A1J44	1820-0965	1	IC:CTL QUAD 1-INPT AND GATE	07263	U6A996579X
A1U45	1820-0966		IC:CTL DUAL 2-INPT AND 2W AND/OR GATE	14433	MIC 966
A1J46	1820-0966		IC:CTL DUAL 2-INPT AND 2W AND/OR GATE	14433	MIC 966
A1U47	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A1U53	1820-0449		IC:TTL DUAL D F/F	04713	MC3060P
A1U54	1820-0370	5	IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A1U55	1820-0609		IC:TTL DUAL J-K F/F W/COM. CLK & RESET	04713	MC3061P
A1J56	1820-0609		IC:TTL DUAL J-K F/F W/COM. CLK & RESET	04713	MC3061P
A1U57	1820-0964		IC:CTL TRIPLE 3-3-1 INPT AND GATE	14433	MIC 964
A1J63	1820-0485		IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A1U64	1820-0370	3	IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A1J65	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A1U66	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A1J67	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A1U71	1820-0371		IC:TTL HS TRIPLE 3-INPT NAND GATE	01295	SN74H10N
A1U72	1820-0424	2	IC:TTL HS HEX INVERTER	04713	SN74H04N
A1U73	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A1U74	1820-0609		IC:TTL DUAL J-K F/F W/COM. CLK & RESET	04713	MC3061P
A1U75	1820-0371		IC:TTL HS TRIPLE 3-INPT NAND GATE	01295	SN74H10N
A1U76	1820-0451		IC:TTL DUAL J-K F/F	04713	MC3062P
A1U77	1820-0966	3	IC:CTL DUAL 2-INPT AND 2W AND/OR GATE	14433	MIC 966
A1J81	1820-0451		IC:TTL DUAL J-K F/F	04713	MC3062P
A1U82	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A1U83	1820-0609		IC:TTL DUAL J-K F/F W/COM. CLK & RESET	04713	MC3061P
A1U84	1820-0372		IC:TTL TRIPLE 3-INPT AND GATE	28480	1820-0372
A1J85	1820-0609	1	IC:TTL DUAL J-K F/F W/COM. CLK & RESET	04713	MC3061P
A1U86	1820-0424		IC:TTL HS HEX INVERTER	04713	SN74H04N
A1U87	1820-0374		IC:TTL HS DUAL 4-INPT AND GATE	01295	SN74H21N
A1U92	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A1U93	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A1U94	1820-0485	2	IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A1U95	1820-0371		IC:TTL HS TRIPLE 3-INPT NAND GATE	01295	SN74H10N
A1U96	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A1U97	1820-0424		IC:TTL HS HEX INVERTER	04713	SN74H04N
A1U102	1820-0140		IC:TTL DUAL 4-INPT AND BUFFER	04713	MC3026P
A1U103	1820-0140	1	IC:TTL DUAL 4-INPT AND BUFFER	04713	MC3026P
A1U104	1820-0372		IC:TTL TRIPLE 3-INPT AND GATE	28480	1820-0372
A1U105	1820-0372		IC:TTL TRIPLE 3-INPT AND GATE	28480	1820-0372
A1U106	1820-0373		IC:TTL HS DUAL 4-INPT NAND GATE	01295	SN74H20N
A1U107	1820-0485		IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A1XY1	1200-0199	1	SOCKET:CRYSTAL	91506	8000-AG9
A1Y1	0410-0432	1	CRYSTAL:QUARTZ	28480	0410-0432

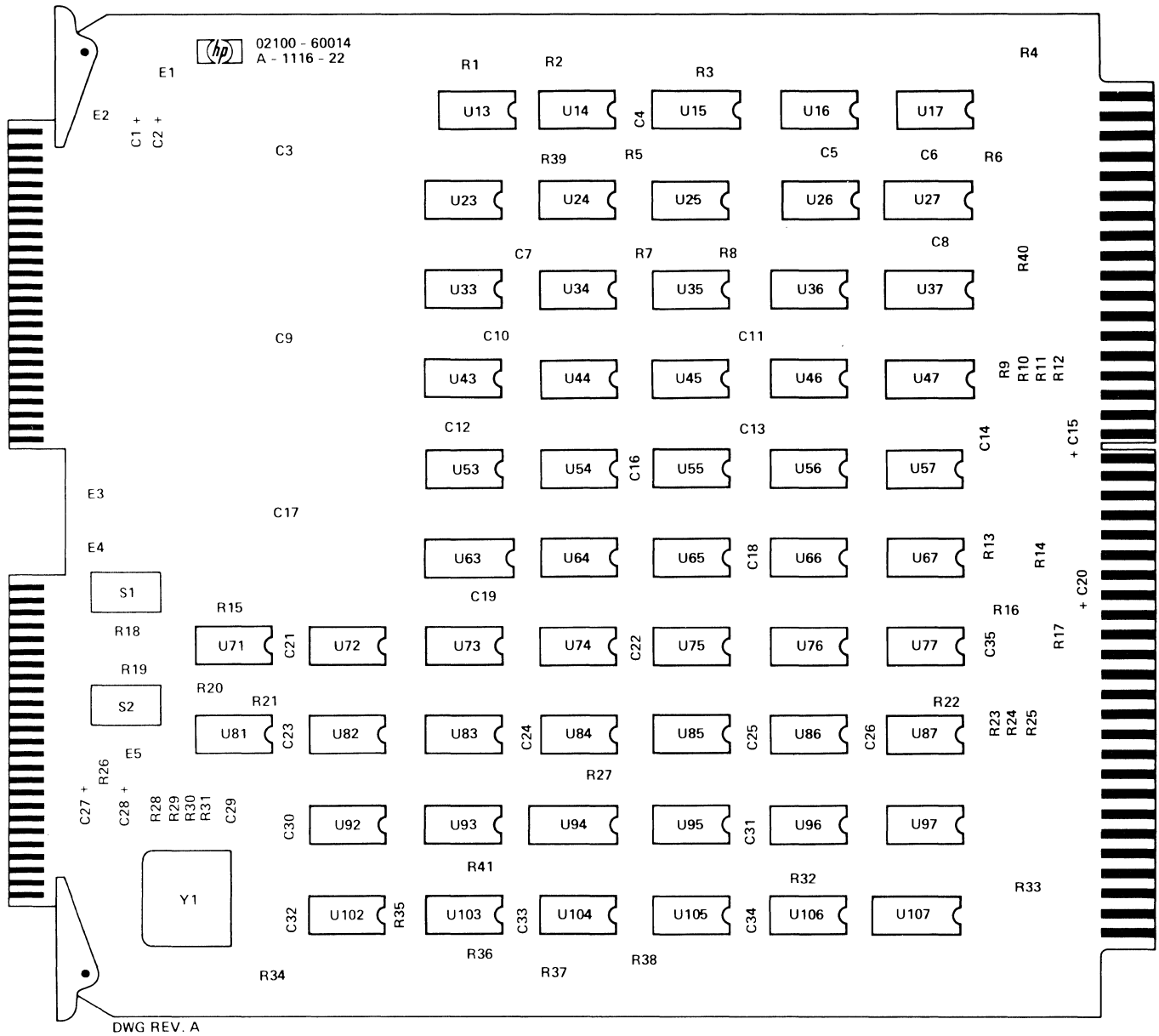


Figure 2-2. A1 Timing and Control Card, Parts Location Diagram

Table 2-3. A2 ROM Control Card, Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A2	02100-60002	1	ROM CONTROL CARD ASSY	28480	02100-60002
A2C1	0160-2055	26	C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A2C2	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A2C3	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A2C4	0180-0197	6	C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A2C5	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A2C6	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A2C7	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A2C8	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A2C9	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A2C10	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A2C11	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A2C12	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A2C13	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A2C14	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A2C15	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A2C16	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A2C17	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A2C18	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A2C19	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A2C20	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A2C21	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A2C22	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A2C23	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A2C24	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A2C25	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A2C26	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A2C27	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A2C28	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A2C29	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A2C30	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A2C31	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A2C32	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A2E1	0360-0294	3	TERMINAL:SOLDER POINT	28480	0360-0294
A2E2	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A2E3	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A2R1	0698-7229	42	R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R2	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R3	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R4	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R5	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R6	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R7	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R8	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R9	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R10	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R11	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R12	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R13	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R14	0698-7226	2	R:FXD FLM 383 OHM 2% 1/8W	28480	0698-7226
A2R15	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R16	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R17	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R18	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R19	0698-7236	5	R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A2R20	0698-7236		R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A2R21	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R22	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R23	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R24	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R25	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R26	0698-7236		R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A2R27	0698-7225	15	R:FXD FLM 348 OHM 2% 1/8W	28480	0698-7225
A2R28	0698-7225		R:FXD FLM 348 OHM 2% 1/8W	28480	0698-7225
A2R29	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R30	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R31	0698-7225		R:FXD FLM 348 OHM 2% 1/8W	28480	0698-7225
A2R32	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R33	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R34	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R35	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R36	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R37	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R38	0698-7225		R:FXD FLM 348 OHM 2% 1/8W	28480	0698-7225
A2R39	0698-7225		R:FXD FLM 348 OHM 2% 1/8W	28480	0698-7225

Table 2-3. A2 ROM Control Card, Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A2R40	0698-7225		R:FXD FLM 348 OHM 2% 1/8W	28480	0698-7225
A2R41	0698-7225		R:FXD FLM 348 OHM 2% 1/8W	28480	0698-7225
A2R42	0698-7225		R:FXD FLM 348 OHM 2% 1/8W	28480	0698-7225
A2R43	0698-7225		R:FXD FLM 348 OHM 2% 1/8W	28480	0698-7225
A2R44	0698-7225		R:FXD FLM 348 OHM 2% 1/8W	28480	0698-7225
A2R45	0698-7225		R:FXD FLM 348 OHM 2% 1/8W	28480	0698-7225
A2R46	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R47	0698-7236		R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A2R48	0698-7225		R:FXD FLM 348 OHM 2% 1/8W	28480	0698-7225
A2R49	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R50	0698-7225		R:FXD FLM 348 OHM 2% 1/8W	28480	0698-7225
A2R51	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R52	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R53	0698-7236		R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A2R54	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R55	0698-7220	2	R:FXD FLM 215 OHM 2% 1/8W	28480	0698-7220
A2R56	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R57	0698-7225		R:FXD FLM 348 OHM 2% 1/8W	28480	0698-7225
A2R58	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R59	0698-7234	1	R:FXD FLM 825 OHM 2% 1/8W	28480	0698-7234
A2R60	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R61	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R62	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R63	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R64	0698-7221	2	R:FXD FLM 237 OHM 2% 1/8W	28480	0698-7221
A2R65	0698-7221		R:FXD FLM 237 OHM 2% 1/8W	28480	0698-7221
A2R66	0698-3440	1	R:FXD MET FLM 196 OHM 1% 1/8W	28480	0698-3440
A2R67	0698-7225		R:FXD FLM 348 OHM 2% 1/8W	28480	0698-7225
A2R68	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A2R69	0698-7222	3	R:FXD FLM 261 OHM 2% 1/8W	28480	0698-7222
A2R70	0698-7222		R:FXD FLM 261 OHM 2% 1/8W	28480	0698-7222
A2R71	0698-7222		R:FXD FLM 261 OHM 2% 1/8W	28480	0698-7222
A2R72	0698-7226		R:FXD FLM 383 OHM 2% 1/8W	28480	0698-7226
A2U13	1820-0971	4	IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A2U14	1820-0966	12	IC:CTL DUAL 2-INPT AND 2W AND/OR GATE	14433	MIC 966
A2U15	1816-2062	1	IC:ROM # 062	28480	1816-2062
A2U16	1816-2065	1	IC:ROM # 065	28480	1816-2065
A2U17	1816-2064	1	IC:ROM # 064	28480	1816-2064
A2U23	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A2U24	1820-0966		IC:CTL DUAL 2-INPT AND 2W AND/OR GATE	14433	MIC 966
A2U31	1820-0953	4	IC:CTL TRIPLE 2-2-3 INPT AND GATE	14433	MIC 953
A2J32	1820-0231	3	IC:TTL 4-BIT SYNC BINARY COUNTER	07263	U68931659X
A2U34	1820-0966		IC:CTL DUAL 2-INPT AND 2W AND/OR GATE	14433	MIC 966
A2J36	1820-0437	2	IC:TTL QUAD D F/F	04713	MC4015P
A2U41	1820-0379	4	IC:TTL HS 4W 2-2-2-3 INPT AND/OR GATE	01295	SN74H52N
A2J42	1820-0301	3	IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A2U44	1820-0966		IC:CTL DUAL 2-INPT AND 2W AND/OR GATE	14433	MIC 966
A2J45	1816-2061	1	IC:ROM # 061	28480	1816-2061
A2U46	1820-0437		IC:TTL QUAD D F/F	04713	MC4015P
A2U47	1816-2060	1	IC:ROM # 060	28480	1816-2060
A2U51	1820-0379		IC:TTL HS 4W 2-2-2-3 INPT AND/OR GATE	01295	SN74H52N
A2J52	1820-0231		IC:TTL 4-BIT SYNC BINARY COUNTER	07263	U68931659X
A2J53	1820-0231		IC:TTL 4-BIT SYNC BINARY COUNTER	07263	U68931659X
A2U54	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A2U55	1816-2063	1	IC:ROM # 063	28480	1816-2063
A2J56	1820-0604	1	IC:TTL DUAL 4-INPT NAND POWER GATE	04713	MC3025P
A2J57	1820-0374	1	IC:TTL HS DUAL 4-INPT AND GATE	01295	SN74H21N
A2J61	1820-0379		IC:TTL HS 4W 2-2-2-3 INPT AND/OR GATE	01295	SN74H52N
A2J62	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A2J63	1820-0966		IC:CTL DUAL 2-INPT AND 2W AND/OR GATE	14433	MIC 966
A2U64	1820-0966		IC:CTL DUAL 2-INPT AND 2W AND/OR GATE	14433	MIC 966
A2J66	1820-0966		IC:CTL DUAL 2-INPT AND 2W AND/OR GATE	14433	MIC 966
A2J67	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A2U71	1820-0379		IC:TTL HS 4W 2-2-2-3 INPT AND/OR GATE	01295	SN74H52N
A2U72	1820-0966		IC:CTL DUAL 2-INPT AND 2W AND/OR GATE	14433	MIC 966
A2J73	1820-0966		IC:CTL DUAL 2-INPT AND 2W AND/OR GATE	14433	MIC 966
A2U74	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A2J75	1820-0966		IC:CTL DUAL 2-INPT AND 2W AND/OR GATE	14433	MIC 966
A2U76	1820-0966		IC:CTL DUAL 2-INPT AND 2W AND/OR GATE	14433	MIC 966
A2U77	1820-0186	4	IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A2J81	1820-0141	2	IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A2J82	1820-0370	2	IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74HC0N
A2J83	1820-0965	2	IC:CTL QUAD 1-INPT AND GATE	07263	U6A996579X
A2U84	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A2U85	1820-0424	1	IC:TTL HS HEX INVERTER	04713	SN74HC4N

Table 2-3. A2 ROM Control Card, Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A2U86	1820-0141	1	IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A2U87	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A2U91	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A2J92	1820-0371		IC:TTL HS TRIPLE 3-INPT NAND GATE	01295	SN74H10N
A2U93	1820-0953		IC:CTL TRIPLE 2-2-3 INPT AND GATE	14433	MIC 953
A2J94	1820-0965	1	IC:CTL QUAD 1-INPT AND GATE	07263	U6A996579X
A2J95	1820-0966		IC:CTL DUAL 2-INPT AND 2W AND/OR GATE	14433	MIC 966
A2U96	1820-0372		IC:TTL TRIPLE 3-INPT AND GATE	28480	1820-0372
A2U97	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A2J101	1820-0953		IC:CTL TRIPLE 2-2-3 INPT AND GATE	14433	MIC 953
A2U102	1820-0953	1	IC:CTL TRIPLE 2-2-3 INPT AND GATE	14433	MIC 953
A2J103	1820-0954		IC:CTL DUAL 4-INPT AND GATE	07263	U6A995479X
A2U104	1820-0239	1	IC:TTL QUAD 2-INPT NOR GATE	28480	1820-0239
A2U105	1820-0485	1	IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A2U106	1820-0451	1	IC:TTL DUAL J-K F/F	04713	MC3062P
A2J107	1820-0187	5	IC:CTL DUAL 2-INPT NOR GATE	07263	U6A985249X
A2W1	8159-0005		JUMPER WIRE	28480	8159-0005
A2W2	8159-0005		JUMPER WIRE	28480	8159-0005
A2W3	8159-0005		JUMPER WIRE	28480	8159-0005
A2W4	8159-0005		JUMPER WIRE	28480	8159-0005
A2W6	8159-0005		JUMPER WIRE	28480	8159-0005

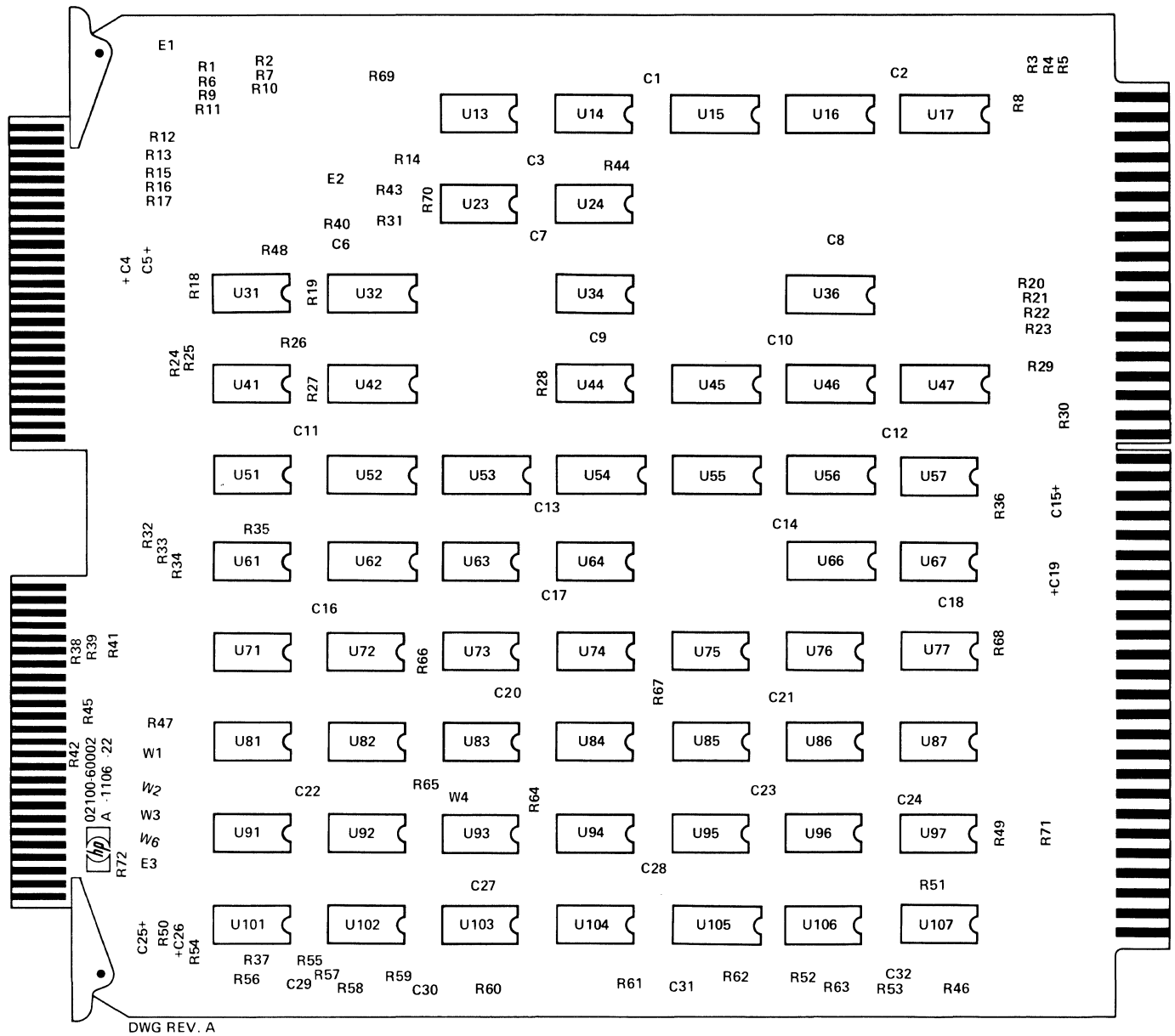


Figure 2-3. A2 ROM Control Card, Parts Location Diagram

Table 2-4. A3 Microinstruction Decoder 1 Card, Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A3	02100-60004	1	MICRO INSTRUCTION DECODER 1 CARD ASSY	28480	02100-60004
A3C1	0180-0197	12	C:F XD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A3C2	0160-2055	24	C:F XD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C3	0180-0197		C:F XD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A3C4	0180-0197		C:F XD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A3C5	0160-2055		C:F XD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C6	0180-0197		C:F XD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A3C7	0160-2055		C:F XD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C8	0160-2055		C:F XD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C9	0160-2055		C:F XD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C10	0160-2055		C:F XD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C11	0160-2055		C:F XD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C12	0160-2055		C:F XD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C13	0180-0197		C:F XD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A3C14	0160-2055		C:F XD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C15	0160-2055		C:F XD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C16	0160-2055		C:F XD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C17	0180-0197		C:F XD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A3C18	0180-0197		C:F XD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A3C19	0160-2055		C:F XD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C20	0160-2055		C:F XD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C21	0160-2055		C:F XD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C22	0180-0197		C:F XD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A3C23	0160-2055		C:F XD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C24	0160-2055		C:F XD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C25	0160-2055		C:F XD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C26	0160-2055		C:F XD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C27	0140-0194	1	C:F XD MICA 110 PF 5%	72136	ROM15F111J3C
A3C28	0180-0197		C:F XD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A3C29	0180-0197		C:F XD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A3C30	0160-2055		C:F XD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C31	0160-2055		C:F XD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C32	0160-2055		C:F XD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C33	0160-2055		C:F XD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C34	0160-2055		C:F XD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C35	0160-2055		C:F XD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C36	0180-0197		C:F XD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A3C37	0180-0197		C:F XD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A3E1	0360-0294	3	TERMINAL:SOLDER POINT	28480	0360-0294
A3E2	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A3E3	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A3R1	0757-0416	16	R:F XD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A3R2	0757-0416		R:F XD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A3R3	0698-0082	2	R:F XD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A3R4	0757-0416		R:F XD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A3R5	0757-0416		R:F XD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A3R6	0757-0280	4	R:F XD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A3R7	0757-0416		R:F XD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A3R8	0698-3444	2	R:F XD MET FLM 316 OHM 1% 1/8W	28480	0698-3444
A3R9	0757-0420	1	R:F XD MET FLM 750 OHM 1% 1/8W	28480	0757-0420
A3R10	0698-3446	4	R:F XD MET FLM 383 OHM 1% 1/8W	28480	0698-3446
A3R11	0757-0416		R:F XD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A3R12	0757-0416		R:F XD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A3R13	0698-3445	4	R:F XD MET FLM 348 OHM 1% 1/8W	28480	0698-3445
A3R14	0757-0416		R:F XD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A3R15	0757-0416		R:F XD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A3R16	0698-3132	4	R:F XD FLM 261 OHM 1% 1/8W	28480	0698-3132
A3R17	0698-3132		R:F XD FLM 261 OHM 1% 1/8W	28480	0698-3132
A3R18	0698-3132		R:F XD FLM 261 OHM 1% 1/8W	28480	0698-3132
A3R19	0698-3446		R:F XD MET FLM 383 OHM 1% 1/8W	28480	0698-3446
A3R20	0698-3132		R:F XD FLM 261 OHM 1% 1/8W	28480	0698-3132
A3R21	0757-0416		R:F XD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A3R22	0698-3446		R:F XD MET FLM 383 OHM 1% 1/8W	28480	0698-3446
A3R23	0698-3444		R:F XD MET FLM 316 OHM 1% 1/8W	28480	0698-3444
A3R24	0757-0416		R:F XD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A3R25	0757-0416		R:F XD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A3R26	0757-0280		R:F XD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A3R27	0757-0416		R:F XD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A3R29	0698-0082		R:F XD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A3R30	0757-0280		R:F XD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A3R31	0757-0416		R:F XD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A3R32	0757-0427	4	R:F XD MET FLM 1.5K OHM 1% 1/8W	28480	0757-0427
A3R33	0757-0403	4	R:F XD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A3R34	0757-0403		R:F XD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A3R35	0698-3446		R:F XD MET FLM 383 OHM 1% 1/8W	28480	0698-3446

Table 2-4. A3 Microinstruction Decoder 1 Card, Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A3R36	0698-3442	4	R:FXD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A3R37	0698-3442		R:FXD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A3R38	0757-0401	2	R:FXD MET FLM 100 OHM 1% 1/8W	28480	0757-0401
A3R39	0757-0416		R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A3R40	0698-3445		R:FXD MET FLM 348 OHM 1% 1/8W	28480	0698-3445
A3R41	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A3R42	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A3R43	0757-0401		R:FXD MET FLM 100 OHM 1% 1/8W	28480	0757-0401
A3R44	0698-3445		R:FXD MET FLM 348 OHM 1% 1/8W	28480	0698-3445
A3R45	0757-0427		R:FXD MET FLM 1.5K OHM 1% 1/8W	28480	0757-0427
A3R46	0757-0427		R:FXD MET FLM 1.5K OHM 1% 1/8W	28480	0757-0427
A3R47	0757-0427		R:FXD MET FLM 1.5K OHM 1% 1/8W	28480	0757-0427
A3R48	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A3R49	0757-0416		R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A3R50	0698-3445		R:FXD MET FLM 348 OHM 1% 1/8W	28480	0698-3445
A3R51	0698-3442		R:FXD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A3R52	0698-3442		R:FXD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A3U11	1820-0372	1	IC:TTL TRIPLE 3-INPT AND GATE	28480	1820-0372
A3U12	1820-0485	3	IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A3U14	1820-0449	3	IC:TTL DUAL D F/F	04713	MC3060P
A3U21	1820-0966	1	IC:CTL DUAL 2-INPT AND 2W AND/OR GATE	14433	MIC 966
A3U23	1820-0953	1	IC:CTL TRIPLE 2-2-3 INPT AND GATE	14433	MIC 953
A3U24	1820-0449		IC:TTL DUAL D F/F	04713	MC3060P
A3U25	1820-0482	2	IC:CTL 1 OF 8 DECODER	07263	U6B983849X
A3U26	1820-0482		IC:CTL 1 OF 8 DECODER	07263	U6B983849X
A3U33	1820-0955	1	IC:CTL 8-INPT DUAL OUTPUT AND GATE	07263	U6A995579X
A3U34	1820-0965		IC:CTL QUAD 1-INPT AND GATE	07263	U6A996579X
A3U35	1820-0485		IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A3U36	1820-0485		IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A3U37	1820-0186	10	IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A3U42	1820-0424	3	IC:TTL HS HEX INVERTER	04713	SN74H04N
A3U43	1820-0383	1	IC:TTL HS DUAL 4-INPT EXPANDER	01295	SN74H60N
A3U44	1820-0380	1	IC:TTL HS 4W 2-2-2-3 INPT AND/OR INV	01295	SN74H53N
A3U45	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A3U46	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A3U53	1820-0449		IC:TTL DUAL D F/F	04713	MC3060P
A3U54	1820-0370	4	IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A3U55	1820-0451	1	IC:TTL DUAL J-K F/F	04713	MC3062P
A3U56	1820-0141	4	IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A3U53	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A3U64	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A3U56	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A3J72	1820-0205		IC:TTL QUAD 2-INPT OR GATE	28480	1820-0205
A3J73	1820-0437	1	IC:TTL QUAD D F/F	04713	MC4015P
A3J74	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A3U75	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A3J76	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A3U82	1820-0205		IC:TTL QUAD 2-INPT OR GATE	28480	1820-0205
A3J83	1820-0608	2	IC:TTL 1 OF DECODER W/ENABLE	04713	MC4006P
A3J84	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A3J85	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A3U86	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A3J87	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A3U92	1820-0604	2	IC:TTL DUAL 4-INPT NAND POWER GATE	04713	MC3025P
A3J93	1820-0608		IC:TTL 1 OF DECODER W/ENABLE	04713	MC4006P
A3U96	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A3J102	1820-0424		IC:TTL HS HEX INVERTER	04713	SN74H04N
A3U103	1820-0424		IC:TTL HS HEX INVERTER	04713	SN74H04N
A3J104	1820-0604		IC:TTL DUAL 4-INPT NAND POWER GATE	04713	MC3025P
A3U105	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A3J106	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A3U107	1820-0371	1	IC:TTL HS TRIPLE 3-INPT NAND GATE	01295	SN74H10N

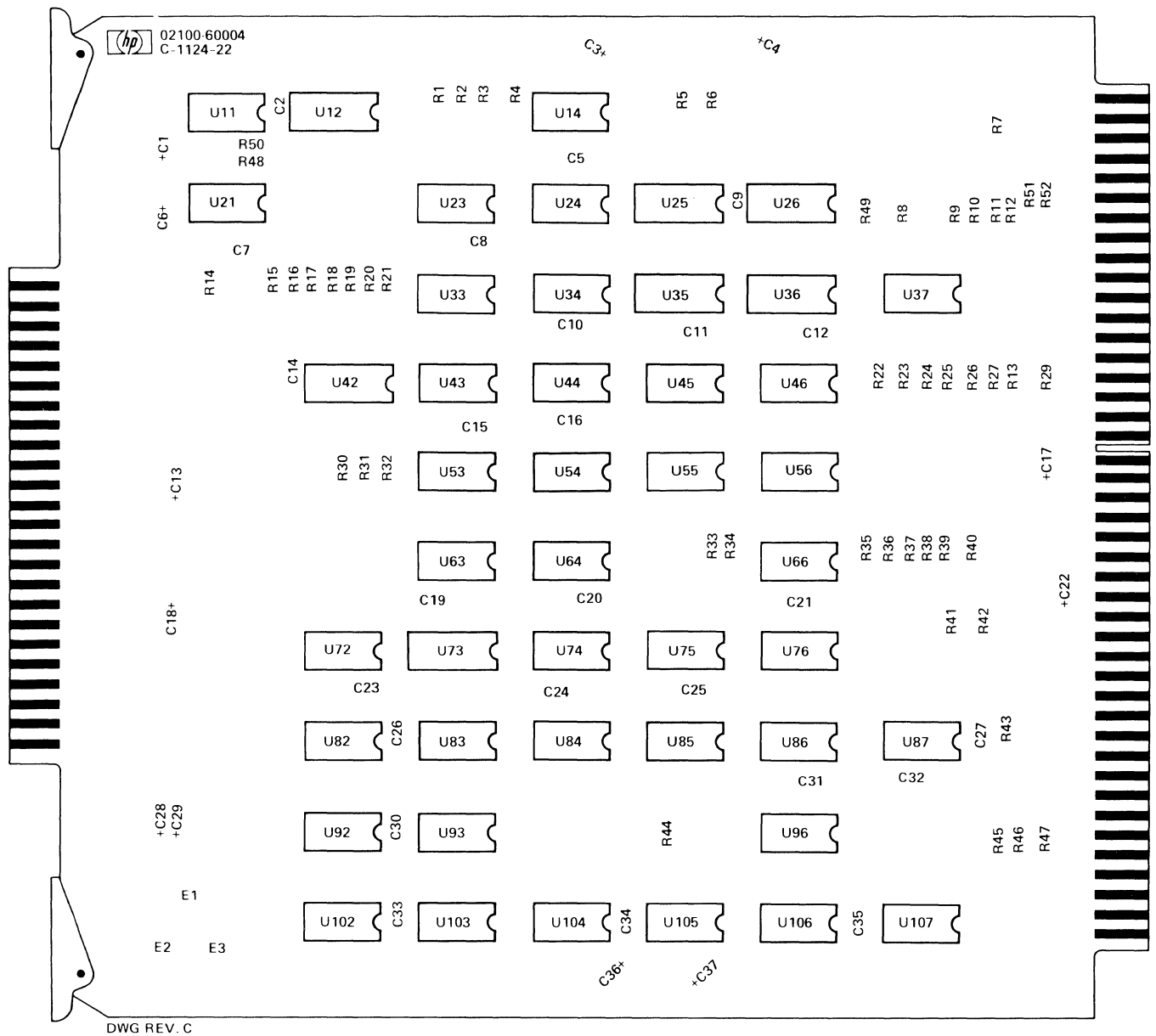


Figure 2-4. A3 Microinstruction Decoder 1 Card, Parts Location Diagram

Table 2-5. A4 Microinstruction Decoder 2 Card, Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A4	02100-60022	1	MICRO INSTRUCTION DECODER 2 CARD ASSY	28480	02100-60022
A4C1	0180-0197	10	C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A4C2	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A4C3	0160-2055	20	C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A4C4	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A4C5	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A4C6	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A4C7	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A4C8	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A4C9	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A4C10	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A4C11	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A4C12	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A4C13	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A4C14	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A4C15	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A4C16	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A4C17	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A4C18	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A4C19	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A4C20	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A4C21	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A4C22	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A4C23	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A4C24	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A4C25	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A4C26	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A4C27	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A4C28	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A4C29	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A4C30	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A4E1	0360-0294	3	TERMINAL:SOLDER POINT	28480	0360-0294
A4E2	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A4E3	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A4R1	0757-0427	9	R:FXD MET FLM 1.5K OHM 1% 1/8W	28480	0757-0427
A4R2	0757-0280	5	R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A4R3	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A4R4	0757-0416	5	R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A4R5	0757-0416		R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A4R6	0698-3446	2	R:FXD MET FLM 383 OHM 1% 1/8W	28480	0698-3446
A4R7	0698-3443	1	R:FXD MET FLM 287 OHM 1% 1/8W	28480	0698-3443
A4R8	0757-0416		R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A4R9	0757-0284	2	R:FXD MET FLM 150 OHM 1% 1/8W	28480	0757-0284
A4R10	0757-0284		R:FXD MET FLM 150 OHM 1% 1/8W	28480	0757-0284
A4R11	0757-0399	1	R:FXD MET FLM 82.5 OHM 1% 1/8W	28480	0757-0399
A4R12	0757-0416		R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A4R13	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A4R14	0757-0427		R:FXD MET FLM 1.5K OHM 1% 1/8W	28480	0757-0427
A4R15	0757-0420	1	R:FXD MET FLM 750 OHM 1% 1/8W	28480	0757-0420
A4R16	0757-0416		R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A4R17	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A4R18	0698-3446		R:FXD MET FLM 383 OHM 1% 1/8W	28480	0698-3446
A4R19	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A4R20	0757-0427		R:FXD MET FLM 1.5K OHM 1% 1/8W	28480	0757-0427
A4R21	0698-3445	1	R:FXD MET FLM 348 OHM 1% 1/8W	28480	0698-3445
A4R22	0757-0427		R:FXD MET FLM 1.5K OHM 1% 1/8W	28480	0757-0427
A4R23	0757-0427		R:FXD MET FLM 1.5K OHM 1% 1/8W	28480	0757-0427
A4R24	0757-0427		R:FXD MET FLM 1.5K OHM 1% 1/8W	28480	0757-0427
A4R25	0757-0427		R:FXD MET FLM 1.5K OHM 1% 1/8W	28480	0757-0427
A4R26	0757-0427		R:FXD MET FLM 1.5K OHM 1% 1/8W	28480	0757-0427
A4R27	0757-0427		R:FXD MET FLM 1.5K OHM 1% 1/8W	28480	0757-0427
A4U11	1820-0379	7	IC:TTL HS 4W 2-2-2-3 INPT AND/OR GATE	01295	SN74H52N
A4U12	1820-0424	4	IC:TTL HS HEX INVERTER	04713	SN74HC04N
A4U13	1820-0605	1	IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74HC1N
A4U14	1820-0449	4	IC:TTL DUAL D F/F	04713	MC3060P
A4U15	1820-0379		IC:TTL HS 4W 2-2-2-3 INPT AND/OR GATE	01295	SN74H52N
A4U16	1820-0966	2	IC:CTL DUAL 2-INPT AND 2W AND/OR GATE	14433	MIC 966
A4U21	1820-0186	6	IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A4U23	1820-0370	6	IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A4U24	1820-0187	1	IC:CTL DUAL 2-INPT NOR GATE	07263	U6A985249X
A4U25	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A4U26	1820-0953	1	IC:CTL TRIPLE 2-2-3 INPT AND GATE	14433	MIC 953
A4U27	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A4U31	1820-0379		IC:TTL HS 4W 2-2-2-3 INPT AND/OR GATE	01295	SN74H52N
A4U33	1820-0375	2	IC:TTL HS 8-INPT NAND GATE	01295	SN74H3CN

Table 2-5. A4 Microinstruction Decoder 2 Card, Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A4U34	1820-0451	1	IC:TTL DUAL J-K F/F	04713	MC3062P
A4U35	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A4J36	1820-0954	1	IC:CTL DUAL 4-INPT AND GATE	07263	U6A995479X
A4U37	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A4J41	1820-0379		IC:TTL HS 4W 2-2-2-3 INPT AND/OR GATE	01295	SN74H52N
A4U43	1820-0372	1	IC:TTL TRIPLE 3-INPT AND GATE	28480	1820-0372
A4U44	1820-0375		IC:TTL HS 8-INPT NAND GATE	01295	SN74H30N
A4U45	1820-0449		IC:TTL DUAL D F/F	04713	MC3060P
A4J46	1820-0449		IC:TTL DUAL D F/F	04713	MC3060P
A4U47	1820-0377	1	IC:TTL HS DUAL 2-WIDE 2-INPT	01295	SN74H50N
A4U54	1820-0141	3	IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A4U55	1820-0971	2	IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A4U56	1820-0966		IC:CTL DUAL 2-INPT AND 2W AND/OR GATE	14433	MIC 966
A4J57	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A4U61	1820-0379		IC:TTL HS 4W 2-2-2-3 INPT AND/OR GATE	01295	SN74H52N
A4U53	1820-0371	2	IC:TTL HS TRIPLE 3-INPT NAND GATE	01295	SN74H10N
A4U64	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A4U55	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A4U66	1820-0424		IC:TTL HS HEX INVERTER	04713	SN74HC4N
A4U57	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A4J71	1820-0380	1	IC:TTL HS 4W 2-2-2-3 INPT AND/OR INV	01295	SN74H53N
A4U73	1820-0608	3	IC:TTL 1 OF DECODER W/ENABLE	04713	MC4006P
A4U74	1820-0424		IC:TTL HS HEX INVERTER	04713	SN74H04N
A4U76	1820-0384	1	IC:TTL HS TRIPLE 3-INPT EXPANDER	01295	SN74H61N
A4U77	1820-0449		IC:TTL DUAL D F/F	04713	MC3060P
A4J81	1820-0964	1	IC:CTL TRIPLE 3-3-1 INPT AND GATE	14433	MIC 964
A4U83	1820-0608		IC:TTL 1 OF DECODER W/ENABLE	04713	MC4006P
A4U85	1820-0379		IC:TTL HS 4W 2-2-2-3 INPT AND/OR GATE	01295	SN74H52N
A4U86	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A4U87	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A4U91	1820-0437	1	IC:TTL QUAD D F/F	04713	MC4015P
A4U92	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A4J93	1820-0608		IC:TTL 1 OF DECODER W/ENABLE	04713	MC4006P
A4U94	1820-0371		IC:TTL HS TRIPLE 3-INPT NAND GATE	01295	SN74H10N
A4J95	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A4U96	1820-0379		IC:TTL HS 4W 2-2-2-3 INPT AND/OR GATE	01295	SN74H52N
A4U97	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A4U101	1820-0424		IC:TTL HS HEX INVERTER	04713	SN74HC4N

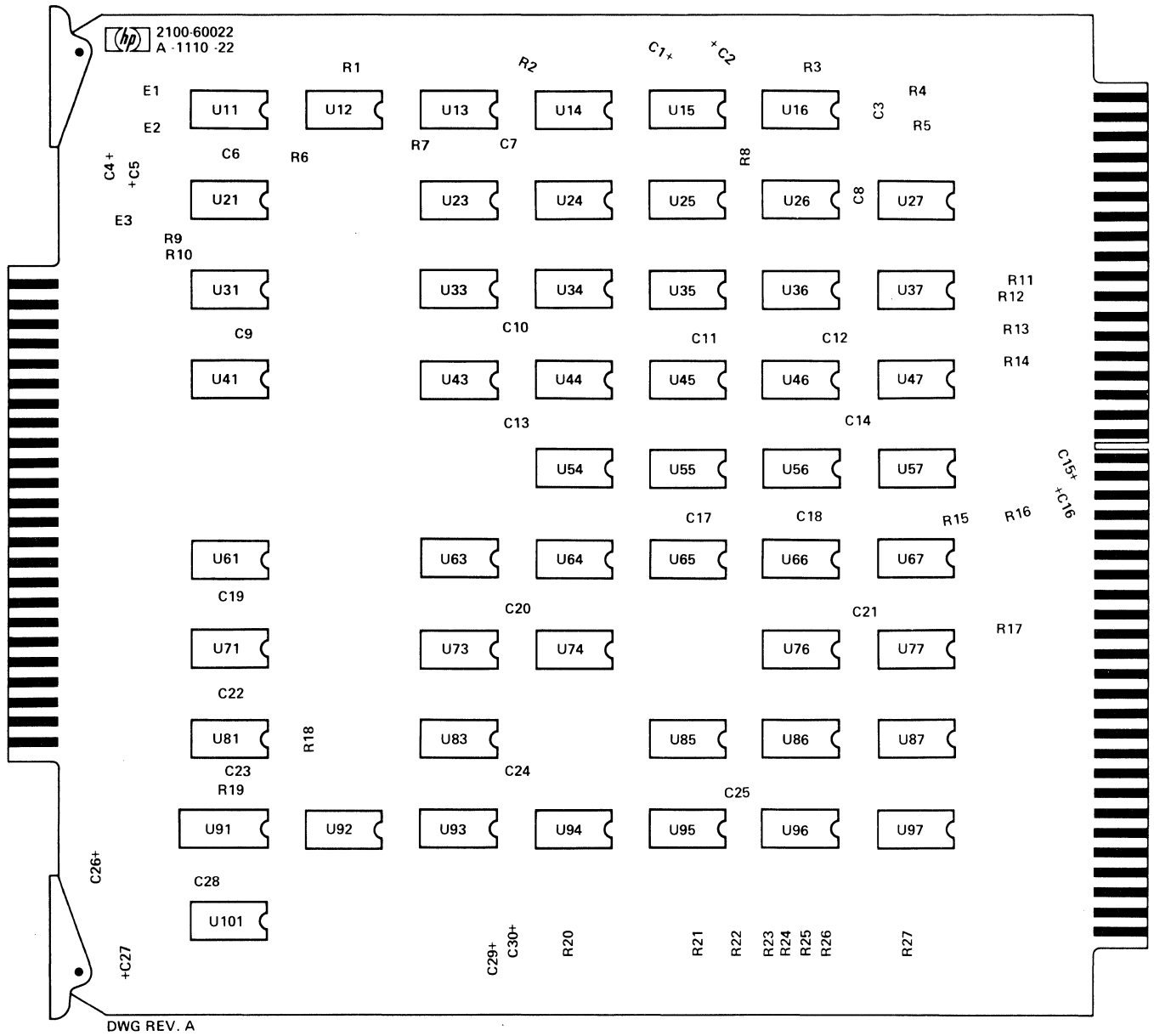


Figure 2-5. A4 Microinstruction Decoder 2 Card, Parts Location Diagram

Table 2-6. A5 Arithmetic/Logic Card, Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A5	02100-60001	1	ARITHMETIC/LOGIC CARD ASSY	28480	02100-60001
A5C1	0180-0197	6	C:FxD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A5C2	0160-2055	18	C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C3	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C4	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C5	0180-0197		C:FxD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A5C6	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C7	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C8	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C9	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C10	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C11	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C12	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C13	0180-0197		C:FxD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A5C14	0180-0197		C:FxD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A5C15	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C16	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C17	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C18	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C19	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C20	0180-0197		C:FxD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A5C21	0180-0197		C:FxD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A5C22	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C23	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C24	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5E1	0360-0294	3	TERMINAL:SOLDER POINT	28480	0360-0294
A5E2	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A5E3	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A5R1	0698-7229	17	R:FxD FLM 511 OHM 2% 1/8W	28480	0698-7229
A5R2	0698-7229		R:FxD FLM 511 OHM 2% 1/8W	28480	0698-7229
A5R3	0698-7229		R:FxD FLM 511 OHM 2% 1/8W	28480	0698-7229
A5R4	0698-7229		R:FxD FLM 511 OHM 2% 1/8W	28480	0698-7229
A5R5	0698-7229		R:FxD FLM 511 OHM 2% 1/8W	28480	0698-7229
A5R6	0698-7229		R:FxD FLM 511 OHM 2% 1/8W	28480	0698-7229
A5R7	0698-7229		R:FxD FLM 511 OHM 2% 1/8W	28480	0698-7229
A5R8	0698-7229		R:FxD FLM 511 OHM 2% 1/8W	28480	0698-7229
A5R9	0698-3443	1	R:FxD MET FLM 287 OHM 1% 1/8W	28480	0698-3443
A5R10	0698-7229		R:FxD FLM 511 OHM 2% 1/8W	28480	0698-7229
A5R11	0698-7229		R:FxD FLM 511 OHM 2% 1/8W	28480	0698-7229
A5R12	0698-7229		R:FxD FLM 511 OHM 2% 1/8W	28480	0698-7229
A5R13	0698-7229		R:FxD FLM 511 OHM 2% 1/8W	28480	0698-7229
A5R14	0698-7229		R:FxD FLM 511 OHM 2% 1/8W	28480	0698-7229
A5R15	0698-7236	2	R:FxD FLM 1K OHM 2% 1/8W	28480	0698-7236
A5R16	0698-7236		R:FxD FLM 1K OHM 2% 1/8W	28480	0698-7236
A5R17	0698-7229		R:FxD FLM 511 OHM 2% 1/8W	28480	0698-7229
A5R18	0698-7229		R:FxD FLM 511 OHM 2% 1/8W	28480	0698-7229
A5R19	0698-7229		R:FxD FLM 511 OHM 2% 1/8W	28480	0698-7229
A5R20	0698-7229		R:FxD FLM 511 OHM 2% 1/8W	28480	0698-7229
A5R21	0698-7219	3	R:FxD FLM 196 OHM 2% 1/8W	28480	0698-7219
A5R22	0698-7219		R:FxD FLM 196 OHM 2% 1/8W	28480	0698-7219
A5R23	0698-7219		R:FxD FLM 196 OHM 2% 1/8W	28480	0698-7219
A5R24	0698-7214	2	R:FxD FLM 121 OHM 2% 1/8W	28480	0698-7214
A5R25	0698-7214		R:FxD FLM 121 OHM 2% 1/8W	28480	0698-7214
A5R26	0698-7221	2	R:FxD FLM 237 OHM 2% 1/8W	28480	0698-7221
A5R27	0698-7221		R:FxD FLM 237 OHM 2% 1/8W	28480	0698-7221
A5U11	1820-0620	8	IC:TTL DUAL 4-INPT MULTIPLEXER	01295	SN74153N
A5U12	1820-0620		IC:TTL DUAL 4-INPT MULTIPLEXER	01295	SN74153N
A5U13	1820-0606	4	IC:TTL ARITH. LOGIC UNIT/FUNCTION GEN.	01295	SN74181N
A5U15	1820-0612	8	IC:CTL 8-BIT RAM (4 X 2)	07263	U6A903059X
A5U16	1820-0971	8	IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A5U17	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A5J21	1820-0607	16	IC:TTL 4-BIT RT/LT SHIFT REGISTER	04713	MC4012P
A5U22	1820-0607		IC:TTL 4-BIT RT/LT SHIFT REGISTER	04713	MC4012P
A5U23	1820-0610	8	IC:TTL DUAL 4-INPT MULTIPLEXER	07263	U68930959X
A5U24	1820-0610		IC:TTL DUAL 4-INPT MULTIPLEXER	07263	U68930959X
A5U25	1820-0612		IC:CTL 8-BIT RAM (4 X 2)	07263	U6A903059X
A5U26	1820-0231	4	IC:TTL 4-BIT SYNC BINARY COUNTER	07263	U68931659X
A5J27	1820-0186	10	IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A5J31	1820-0607		IC:TTL 4-BIT RT/LT SHIFT REGISTER	04713	MC4012P
A5U32	1820-0607		IC:TTL 4-BIT RT/LT SHIFT REGISTER	04713	MC4012P
A5U35	1820-0955	2	IC:CTL 8-INPT DUAL OUTPUT AND GATE	07263	U6A995579X
A5J36	1820-0954	1	IC:CTL DUAL 4-INPT AND GATE	07263	U6A995479X
A5U37	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A5J41	1820-0620		IC:TTL DUAL 4-INPT MULTIPLEXER	01295	SN74153N
A5J42	1820-0620		IC:TTL DUAL 4-INPT MULTIPLEXER	01295	SN74153N

Table 2-6. A5 Arithmetic/Logic Card, Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A5U43	1820-0606	1	IC:TTL ARITH. LOGIC UNIT/FUNCTION GEN.	01295	SN74181N
A5J45	1820-0612		IC:CTL 8-BIT RAM (4 X 2)	07263	U6A903059X
A5J46	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A5U47	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A5U51	1820-0607		IC:TTL 4-BIT RT/LT SHIFT REGISTER	04713	MC4012P
A5J52	1820-0607		IC:TTL 4-BIT RT/LT SHIFT REGISTER	04713	MC4012P
A5U53	1820-0610		IC:TTL DUAL 4-INPT MULTIPLEXER	07263	U68930959X
A5U54	1820-0610		IC:TTL DUAL 4-INPT MULTIPLEXER	07263	U68930959X
A5U55	1820-0612		IC:CTL 8-BIT RAM (4 X 2)	07263	U6A903059X
A5J56	1820-0231		IC:TTL 4-BIT SYNC BINARY COUNTER	07263	U6B931659X
A5U57	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A5J61	1820-0607		IC:TTL 4-BIT RT/LT SHIFT REGISTER	04713	MC4012P
A5J62	1820-0607		IC:TTL 4-BIT RT/LT SHIFT REGISTER	04713	MC4012P
A5J65	1820-0611		IC:TTL LOOK-AHEAD CARRY GENERATOR	01295	SN74182N
A5U66	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A5J67	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A5U71	1820-0620		IC:TTL DUAL 4-INPT MULTIPLEXER	01295	SN74153N
A5U72	1820-0620		IC:TTL DUAL 4-INPT MULTIPLEXER	01295	SN74153N
A5U73	1820-0606		IC:TTL ARITH. LOGIC UNIT/FUNCTION GEN.	01295	SN74181N
A5J75	1820-0612		IC:CTL 8-BIT RAM (4 X 2)	07263	U6A903059X
A5U76	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A5J77	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A5U81	1820-0607		IC:TTL 4-BIT RT/LT SHIFT REGISTER	04713	MC4012P
A5J82	1820-0607		IC:TTL 4-BIT RT/LT SHIFT REGISTER	04713	MC4012P
A5U83	1820-0610		IC:TTL DUAL 4-INPT MULTIPLEXER	07263	U68930959X
A5U84	1820-0610		IC:TTL DUAL 4-INPT MULTIPLEXER	07263	U68930959X
A5U85	1820-0612		IC:CTL 8-BIT RAM (4 X 2)	07263	U6A903059X
A5J86	1820-0231		IC:TTL 4-BIT SYNC BINARY COUNTER	07263	U6B931659X
A5U87	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A5U88	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A5U91	1820-0607		IC:TTL 4-BIT RT/LT SHIFT REGISTER	04713	MC4012P
A5U92	1820-0607		IC:TTL 4-BIT RT/LT SHIFT REGISTER	04713	MC4012P
A5U95	1820-0955		IC:CTL 8-INPT DUAL OUTPUT AND GATE	07263	U6A995579X
A5U96	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A5U97	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A5U101	1820-0620		IC:TTL DUAL 4-INPT MULTIPLEXER	01295	SN74153N
A5U102	1820-0620		IC:TTL DUAL 4-INPT MULTIPLEXER	01295	SN74153N
A5U103	1820-0606		IC:TTL ARITH. LOGIC UNIT/FUNCTION GEN.	01295	SN74181N
A5U105	1820-0612		IC:CTL 8-BIT RAM (4 X 2)	07263	U6A903059X
A5U106	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A5U107	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A5U111	1820-0607		IC:TTL 4-BIT RT/LT SHIFT REGISTER	04713	MC4012P
A5U112	1820-0607		IC:TTL 4-BIT RT/LT SHIFT REGISTER	04713	MC4012P
A5J113	1820-0610		IC:TTL DUAL 4-INPT MULTIPLEXER	07263	U68930959X
A5U114	1820-0610		IC:TTL DUAL 4-INPT MULTIPLEXER	07263	U68930959X
A5U115	1820-0612		IC:CTL 8-BIT RAM (4 X 2)	07263	U6A903059X
A5U116	1820-0231		IC:TTL 4-BIT SYNC BINARY COUNTER	07263	U6B931659X
A5J117	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A5U121	1820-0607		IC:TTL 4-BIT RT/LT SHIFT REGISTER	04713	MC4012P
A5U122	1820-0607		IC:TTL 4-BIT RT/LT SHIFT REGISTER	04713	MC4012P

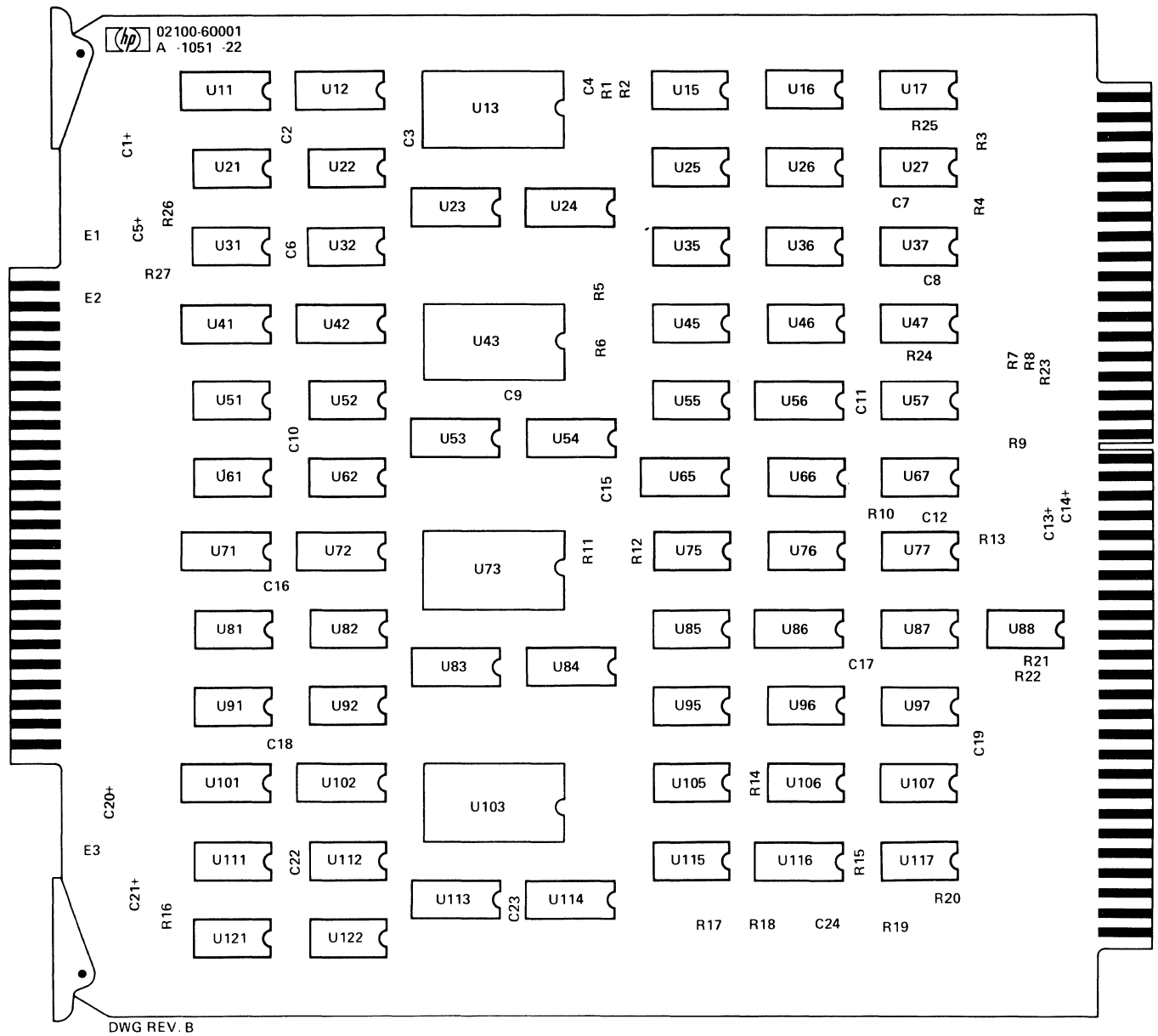


Figure 2-6. A5 Arithmetic/Logic Card, Parts Location Diagram

Table 2-7. A6 Instruction Register Decoder Card, Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A6	02100-60003	1	INSTRUCTION REGISTER DECODER CARD ASSY	28480	02100-60003
A6C1	0160-2055	22	C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A6C2	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A6C3	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A6C4	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A6C5	0180-0197	6	C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A6C6	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A6C7	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A6C8	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A6C9	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A6C10	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A6C11	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A6C12	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A6C13	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A6C14	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A6C15	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A6C16	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A6C17	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A6C18	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A6C19	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A6C20	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A6C21	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A6C22	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A6C23	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A6C24	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A6C25	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A6C26	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A6C27	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A6C28	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A6R1	0757-0280	8	R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A6R2	0757-0280	1	R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A6R3	0698-3443		R:FXD MET FLM 287 OHM 1% 1/8W	28480	0698-3443
A6R4	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A6R5	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A6R6	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A6R7	0757-0416	2	R:FXD FLM 511 OHM 1% 1/8W	28480	0757-0416
A6R8	0698-3442	2	R:FXD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A6R9	0698-3442		R:FXD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A6R10	0698-3446	1	R:FXD FLM 383 OHM 1% 1/8W	28480	0698-3446
A6R11	0698-3445	2	R:FXD MET FLM 348 OHM 1% 1/8W	28480	0698-3445
A6R12	0757-0416		R:FXD FLM 511 OHM 1% 1/8W	28480	0757-0416
A6R13	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A6R14	0698-3445		R:FXD MET FLM 348 OHM 1% 1/8W	28480	0698-3445
A6R15	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A6R16	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A6U11	1820-0449	1	IC:TTL DUAL D F/F	04713	MC3060P
A6U12	1820-0141	7	IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A6U13	1820-0451	1	IC:TTL DUAL J-K F/F	04713	MC3062P
A6J14	1820-0971	10	IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A6J15	1820-0370	6	IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A6J16	1820-0424	7	IC:TTL HS HEX INVERTER	04713	SN74H04N
A6U17	1820-0608	6	IC:TTL 1 OF DECODER W/ENABLE	04713	MC4006P
A6U21	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A6J22	1820-0424		IC:TTL HS HEX INVERTER	04713	SN74H04N
A6J23	1820-0373	1	IC:TTL HS DUAL 4-INPT NAND GATE	01295	SN74H20N
A6J24	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A6J25	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A6U26	1820-0424		IC:TTL HS HEX INVERTER	04713	SN74H04N
A6J27	1820-0608		IC:TTL 1 OF DECODER W/ENABLE	04713	MC4006P
A6J31	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A6J32	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A6J33	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A6J34	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A6J35	1820-0608		IC:TTL 1 OF DECODER W/ENABLE	04713	MC4006P
A6J36	1820-0608		IC:TTL 1 OF DECODER W/ENABLE	04713	MC4006P
A6J37	1820-0424		IC:TTL HS HEX INVERTER	04713	SN74H04N
A6J41	1820-0966	2	IC:CTL DUAL 2-INPT AND 2W AND/OR GATE	14433	MIC 966
A6J42	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A6J43	1820-0609	2	IC:TTL DUAL J-K F/F W/CLK & RESET	04713	MC3061P
A6J44	1820-0239	2	IC:TTL QUAD 2-INPT NOR GATE	28480	1820-0239
A6J45	1820-0424		IC:TTL HS HEX INVERTER	04713	SN74H04N
A6J46	1820-0374	2	IC:TTL HS DUAL 4-INPT AND GATE	01295	SN74H21N
A6J47	1820-0205	1	IC:TTL QUAD 2-INPT OR GATE	28480	1820-0205
A6U51	1820-0966		IC:CTL DUAL 2-INPT AND 2W AND/OR GATE	14433	MIC 966
A6J52	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X

Table 2-7. A6 Instruction Register Decoder Card, Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A6J53	1820-0239	1 4	IC:TTL QUAD 2-INPT NOR GATE	28480	1820-0239
A6U54	1820-0608		IC:TTL 1 OF DECODER W/ENABLE	04713	MC4006P
A6U55	1820-0231		IC:TTL 4-BIT SYNC BINARY COUNTER	07263	U6B931659X
A6U56	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A6J57	1820-0141	5	IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A6U61	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A6J62	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A6U63	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A6U64	1820-0374		IC:TTL HS DUAL 4-INPT AND GATE	01295	SN74H21N
A6U65	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A6J66	1820-0372	2	IC:TTL TRIPLE 3-INPT AND GATE	28480	1820-0372
A6U67	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A6U71	1820-0372		IC:TTL TRIPLE 3-INPT AND GATE	28480	1820-0372
A6U72	1820-0609		IC:TTL DUAL J-K F/F W/COM. CLK & RESET	04713	MC3061P
A6U73	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A6U74	1820-0608	2	IC:TTL 1 OF DECODER W/ENABLE	04713	MC4006P
A6J75	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A6U76	1820-0378		IC:TTL HS 2-WIDE 2-INPT	01295	SN74H51N
A6U77	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A6U82	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A6U83	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A6U84	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A6U85	1820-0424		IC:TTL HS HEX INVERTER	04713	SN74HC4N
A6U86	1820-0378		IC:TTL HS 2-WIDE 2-INPT	01295	SN74H51N
A6U87	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A6U91	1820-0141	1	IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A6U92	1820-0187		IC:CTL DUAL 2-INPT NOR GATE	07263	U6A985249X
A6U93	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A6U94	1820-0953	1	IC:CTL TRIPLE 2-2-3 INPT AND GATE	14433	MIC 953
A6U95	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A6U96	1820-0186	1	IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A6U97	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A6U104	1820-0424		IC:TTL HS HEX INVERTER	04713	SN74HC4N
A6U105	1820-0605		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H01N
A6U107	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X

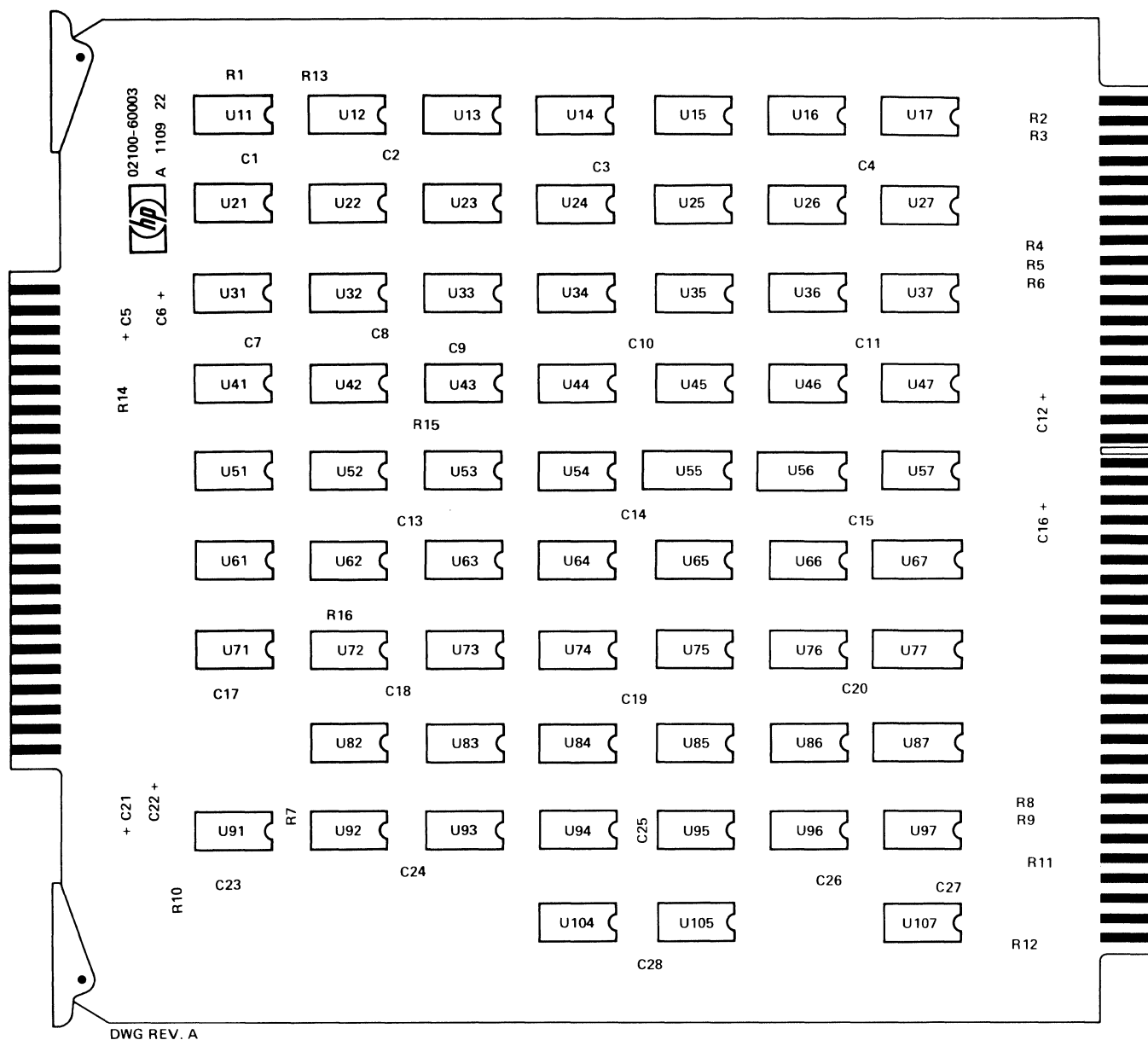


Figure 2-7. A6 Instruction Register Decoder Card, Parts Location Diagram

Table 2-8. A7 I/O Control Card, Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A7	02100-60024	1	I/O CONTROL CARD ASSY	28480	02100-60024
A7C1	0180-0197	10	C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A7C2	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A7C3	0160-2055	22	C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C23F101F103ZS22-CDH
A7C4	0180-2126	1	C:FXD ELECT 1.5 UF 5% 35VDCW	28480	0180-2126
A7C5	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C23F101F103ZS22-CDH
A7C6	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C23F101F103ZS22-CDH
A7C7	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C23F101F103ZS22-CDH
A7C8	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C23F101F103ZS22-CDH
A7C9	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A7C10	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A7C11	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C23F101F103ZS22-CDH
A7C12	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C23F101F103ZS22-CDH
A7C13	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C23F101F103ZS22-CDH
A7C14	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C23F101F103ZS22-CDH
A7C15	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C23F101F103ZS22-CDH
A7C16	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C23F101F103ZS22-CDH
A7C17	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C23F101F103ZS22-CDH
A7C18	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C23F101F103ZS22-CDH
A7C19	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C23F101F103ZS22-CDH
A7C20	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A7C21	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A7C22	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C23F101F103ZS22-CDH
A7C23	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C23F101F103ZS22-CDH
A7C24	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C23F101F103ZS22-CDH
A7C25	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C23F101F103ZS22-CDH
A7C26	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C23F101F103ZS22-CDH
A7C27	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A7C28	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A7C29	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C23F101F103ZS22-CDH
A7C30	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C23F101F103ZS22-CDH
A7C31	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A7C32	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A7C33	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C23F101F103ZS22-CDH
A7C41	1902-3043	1	DIODE: BREAKDOWN 3.32V 2%	04713	SZ10939-45
A7Q1	1854-0215	5	TSTR:SI NPN	80131	2N3904
A7Q2	1854-0215		TSTR:SI NPN	80131	2N3904
A7Q3	1854-0215		TSTR:SI NPN	80131	2N3904
A7Q4	1854-0215		TSTR:SI NPN	80131	2N3904
A7Q5	1854-0215		TSTR:SI NPN	80131	2N3904
A7R1	0683-3915	1	R:FXD COMP 390 OHM 5% 1/4W	01121	CB 3915
A7R2	0683-1825	1	R:FXD COMP 1800 OHM 5% 1/4W	01121	CB 1825
A7R3	0698-7236	24	R:FXD FLN 1K OHM 2% 1/8W	28480	0698-7236
A7R5	0693-1025	2	R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A7R6	0698-7229	18	R:FXD FLN 511 OHM 2% 1/8W	28480	0698-7229
A7R7	0683-1525	1	R:FXD COMP 1500 OHM 5% 1/4W	01121	CB 1525
A7R8	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A7R9	0683-4715	5	R:FXD COMP 470 OHM 5% 1/4W	01121	CB 4715
A7R10	0698-7236		R:FXD FLN 1K OHM 2% 1/8W	28480	0698-7236
A7R11	0698-7228	18	R:FXD FLN 464 OHM 2% 1/8W	28480	0698-7228
A7R12	0698-7228		R:FXD FLN 464 OHM 2% 1/8W	28480	0698-7228
A7R13	0698-7236		R:FXD FLN 1K OHM 2% 1/8W	28480	0698-7236
A7R14	0698-7228		R:FXD FLN 464 OHM 2% 1/8W	28480	0698-7228
A7R15	0698-7240	8	R:FXD MET FLN 1.47K OHM 2% 1/8W	28480	0698-7240
A7R16	0698-7240		R:FXD MET FLN 1.47K OHM 2% 1/8W	28480	0698-7240
A7R17	0698-7240		R:FXD MET FLN 1.47K OHM 2% 1/8W	28480	0698-7240
A7R18	0698-7229		R:FXD FLN 511 OHM 2% 1/8W	28480	0698-7229
A7R19	0698-3394	1	R:FXD MET FLN 31.6 OHM 1% 1/2W	28480	0698-3394
A7R20	0683-4715		R:FXD COMP 470 OHM 5% 1/4W	01121	CB 4715
A7R21	0683-1005	1	R:FXD COMP 10 OHM 5% 1/4W	01121	CB 1005
A7R22	0683-4715		R:FXD COMP 470 OHM 5% 1/4W	01121	CB 4715
A7R23	0683-1015	4	R:FXD COMP 100 OHM 5% 1/4W	01121	CB 1015
A7R24	0683-1015		R:FXD COMP 100 OHM 5% 1/4W	01121	CB 1015
A7R25	0683-4715		R:FXD COMP 470 OHM 5% 1/4W	01121	CB 4715
A7R26	0683-1015		R:FXD COMP 100 OHM 5% 1/4W	01121	CB 1015
A7R27	0683-4715		R:FXD COMP 470 OHM 5% 1/4W	01121	CB 4715
A7R28	0683-1015		R:FXD COMP 100 OHM 5% 1/4W	01121	CB 1015
A7R30	0698-7231	1	R:FXD FLN 619 OHM 2% 1/8W	28480	0698-7231
A7R31	0698-7240		R:FXD MET FLN 1.47K OHM 2% 1/8W	28480	0698-7240
A7R32	0698-7240		R:FXD MET FLN 1.47K OHM 2% 1/8W	28480	0698-7240
A7R34	0698-7228		R:FXD FLN 464 OHM 2% 1/8W	28480	0698-7228
A7R35	0698-7229		R:FXD FLN 511 OHM 2% 1/8W	28480	0698-7229
A7R36	0698-7236		R:FXD FLN 1K OHM 2% 1/8W	28480	0698-7236
A7R37	0698-7240		R:FXD MET FLN 1.47K OHM 2% 1/8W	28480	0698-7240
A7R38	0698-7217	1	R:FXD FLN 162 OHM 2% 1/8W	28480	0698-7217

Table 2-8. A7 I/O Control Card, Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A7R39	0698-7236	2	R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A7R40	0698-7236		R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A7R41	0698-7223		R:FXD FLM 287 OHM 2% 1/8W	28480	0698-7223
A7R42	0698-7236		R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A7R43	0698-7236		R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A7R44	0698-7223		R:FXD FLM 287 OHM 2% 1/8W	28480	0698-7223
A7R45	0698-7236		R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A7R46	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A7R47	0698-7236		R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A7R48	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A7R49	0698-7224	3	R:FXD FLM 316 OHM 2% 1/8W	28480	0698-7224
A7R50	0698-7228		R:FXD FLM 464 OHM 2% 1/8W	28480	0698-7228
A7R51	0698-7228		R:FXD FLM 464 OHM 2% 1/8W	28480	0698-7228
A7R52	0698-7228		R:FXD FLM 464 OHM 2% 1/8W	28480	0698-7228
A7R53	0698-7228		R:FXD FLM 464 OHM 2% 1/8W	28480	0698-7228
A7R54	0698-7236		R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A7R55	0698-7228		R:FXD FLM 464 OHM 2% 1/8W	28480	0698-7228
A7R56	0698-7228		R:FXD FLM 464 OHM 2% 1/8W	28480	0698-7228
A7R57	0698-7228		R:FXD FLM 464 OHM 2% 1/8W	28480	0698-7228
A7R58	0698-7228		R:FXD FLM 464 OHM 2% 1/8W	28480	0698-7228
A7R59	0698-7236		R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A7R60	0698-7236		R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A7R61	0698-7228		R:FXD FLM 464 OHM 2% 1/8W	28480	0698-7228
A7R62	0698-7228		R:FXD FLM 464 OHM 2% 1/8W	28480	0698-7228
A7R63	0698-7228		R:FXD FLM 464 OHM 2% 1/8W	28480	0698-7228
A7R64	0698-7228		R:FXD FLM 464 OHM 2% 1/8W	28480	0698-7228
A7R65	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A7R66	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A7R67	0698-7228		R:FXD FLM 464 OHM 2% 1/8W	28480	0698-7228
A7R68	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A7R69	0698-7236	1	R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A7R70	0698-7233		R:FXD FLM 750 OHM 2% 1/8W	28480	0698-7233
A7R71	0698-7225		R:FXD FLM 348 OHM 2% 1/8W	28480	0698-7225
A7R72	0698-7224		R:FXD FLM 316 OHM 2% 1/8W	28480	0698-7224
A7R73	0698-7236		R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A7R74	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A7R75	0698-7236		R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A7R76	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A7R77	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A7R78	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A7R79	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A7R80	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A7R81	0698-7236		R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A7R82	0698-7236		R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A7R83	0698-7236		R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A7R84	0698-7236		R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A7R85	0698-7236		R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A7R86	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A7R87	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A7R88	0698-7236		R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A7R89	0698-7236		R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A7R90	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A7R91	0698-7224		R:FXD FLM 316 OHM 2% 1/8W	28480	0698-7224
A7R92	0698-7236		R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A7R93	0698-7230		R:FXD FLM 562 OHM 2% 1/8W	28480	0698-7230
A7R94	0698-7226	1	R:FXD FLM 383 OHM 2% 1/8W	28480	0698-7226
A7R95	0698-7228		R:FXD FLM 464 OHM 2% 1/8W	28480	0698-7228
A7R96	0698-7240		R:FXD MET FLM 1.47K OHM 2% 1/8W	28480	0698-7240
A7R97	0698-7240		R:FXD MET FLM 1.47K OHM 2% 1/8W	28480	0698-7240
A7R98	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A7S1	3101-1213	1	SWITCH:TOGGLE DPST-DB SUB-MINIATURE	81640	T8001
A7J12	1820-0141	8	IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A7J13	1820-0186	7	IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A7J14	1820-0605	2	IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74HC1N
A7J15	1820-0370	9	IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74HC0N
A7J16	1820-0613	7	IC:HS HEX INVERTER W/OPEN COLL.	01295	SN74HC5N
A7J17	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A7U22	1820-0449		IC:TTL DUAL D F/F	04713	MC306CP
A7U23	1820-0372		IC:TTL TRIPLE 3-INPT AND GATE	28480	1820-0372
A7U24	1820-0371		IC:TTL HS TRIPLE 3-INPT NAND GATE	01295	SN74HC1N
A7U25	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74HC0N
A7U26	1820-0449		IC:TTL DUAL D F/F	04713	MC306CP
A7J27	1820-0424		IC:TTL HS HEX INVERTER	04713	SN74HC4N
A7U31	1820-0187		IC:CTL DUAL 2-INPT NOR GATE	07263	U6A985249X
A7J32	1820-0605		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74HC1N

Table 2-8. A7 I/O Control Card, Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A7J33	1820-0449	2	IC:TTL DUAL D F/F	04713	MC3060P
A7U34	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A7J35	1820-0373	2	IC:TTL HS DUAL 4-INPT NAND GATE	01295	SN74H20N
A7U36	1820-0379		IC:TTL HS 4W 2-2-2-3 INPT AND/OR GATE	01295	SN74H52N
A7J37	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A7U42	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A7J43	1820-0371		IC:TTL HS TRIPLE 3-INPT NAND GATE	01295	SN74H10N
A7U44	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A7J45	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A7U46	1820-0379		IC:TTL HS 4W 2-2-2-3 INPT AND/OR GATE	01295	SN74H52N
A7J47	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A7U51	1820-0613		IC:HS HEX INVERTER W/OPEN COLL.	01295	SN74H05N
A7J52	1820-0613		IC:HS HEX INVERTER W/OPEN COLL.	01295	SN74H05N
A7U53	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A7J54	1820-0371		IC:TTL HS TRIPLE 3-INPT NAND GATE	01295	SN74H10N
A7U55	1820-0373	1	IC:TTL HS DUAL 4-INPT NAND GATE	01295	SN74H20N
A7J56	1820-0372		IC:TTL TRIPLE 3-INPT AND GATE	28480	1820-0372
A7U57	1820-0451		IC:TTL DUAL J-K F/F	04713	MC3062P
A7J62	1820-0613		IC:HS HEX INVERTER W/OPEN COLL.	01295	SN74H05N
A7U53	1820-0424		IC:TTL HS HEX INVERTER	04713	SN74H04N
A7U64	1820-0370	1	IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A7U55	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A7U66	1820-0485		IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A7U57	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A7J71	1820-0424		IC:TTL HS HEX INVERTER	04713	SN74H04N
A7U72	1820-0613		IC:HS HEX INVERTER W/OPEN COLL.	01295	SN74H05N
A7J73	1820-0613		IC:HS HEX INVERTER W/OPEN COLL.	01295	SN74H05N
A7J74	1820-0301	2	IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A7J75	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A7J76	1820-0609	1	IC:TTL DUAL J-K F/F W/COM. CLK & RESET	04713	MC3061P
A7J77	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A7U81	1820-0424		IC:TTL HS HEX INVERTER	04713	SN74H04N
A7U82	1820-0613		IC:HS HEX INVERTER W/OPEN COLL.	01295	SN74H05N
A7J83	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A7J84	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A7J85	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A7J86	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A7U87	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A7J92	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A7U93	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A7J97	1820-0482	2	IC:CTL 1 OF 8 DECODER	07263	U6B983849X
A7U105	1820-0424		IC:TTL HS HEX INVERTER	04713	SN74H04N
A7J106	1820-0482		IC:CTL 1 OF 8 DECODER	07263	U6B983849X
A7U107	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P

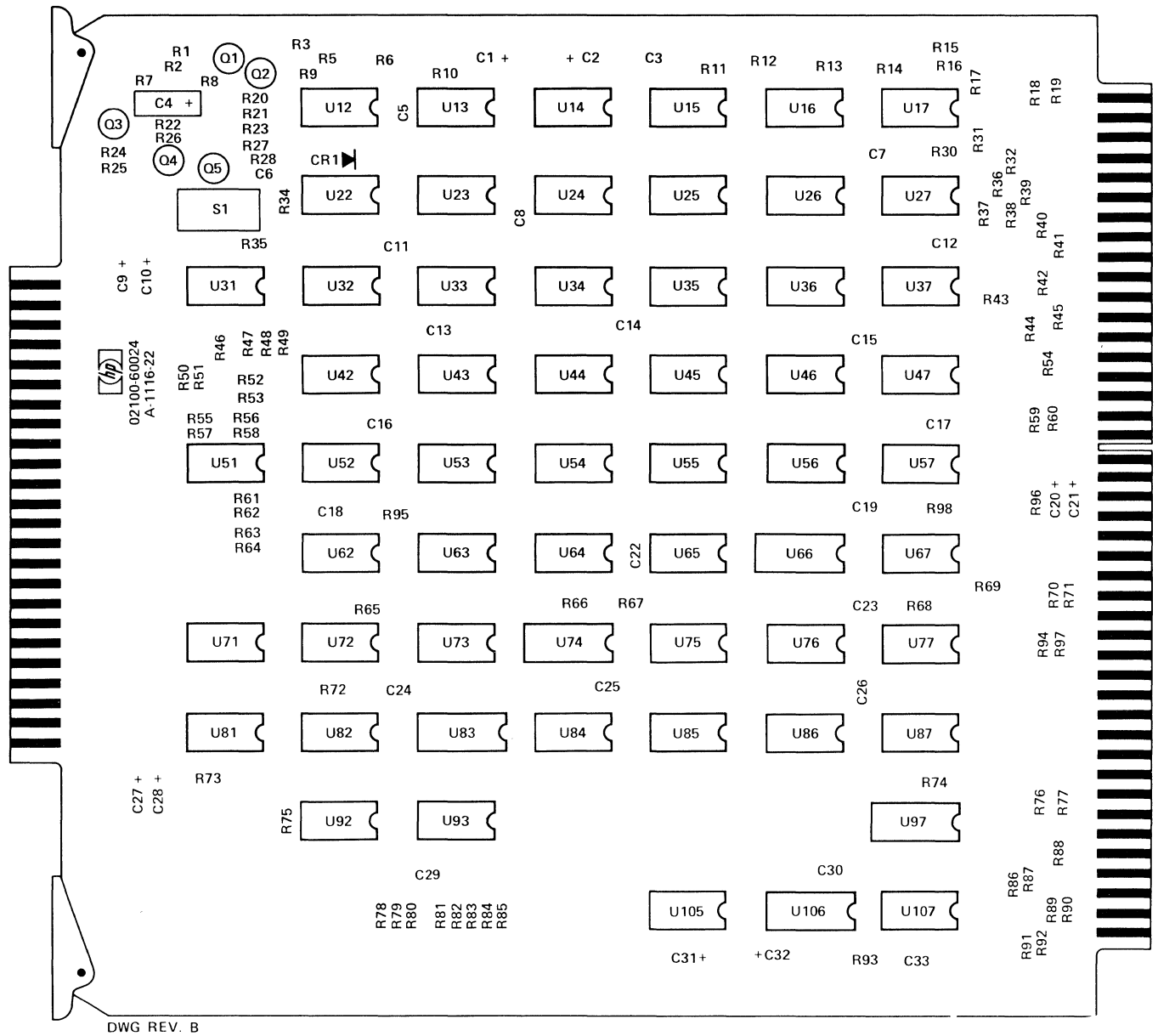


Figure 2-8. A7 I/O Control Card, Parts Location Diagram

Table 2-9. A8 I/O Buffer Card, Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A8	02100-60007	1	I/O BUFFER CARD ASSY	28480	02100-60007
A8C1	0180-0197	9	C:FxD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A8C2	0160-2055	49	C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C3	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C4	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C5	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C6	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C7	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C8	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C9	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C10	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C11	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C12	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C13	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C14	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C15	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C16	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C17	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C18	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C19	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C20	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C21	0180-0197		C:FxD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A8C22	0180-0197		C:FxD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A8C23	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C24	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C25	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C26	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C27	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C28	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C29	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C30	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C31	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C32	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C33	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C34	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C35	0180-0197		C:FxD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A8C36	0180-0197		C:FxD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A8C37	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C38	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C39	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C40	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C41	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C42	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C43	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C44	0180-0197		C:FxD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A8C45	0180-0197		C:FxD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A8C46	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C47	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C48	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C49	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C50	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C51	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C52	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C53	0180-0197		C:FxD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A8C54	0180-0197		C:FxD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A8C55	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C56	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C57	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C58	0160-2055		C:FxD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8E1	0360-0294	5	TERMINAL:SOLDER POINT	28480	0360-0294
A8E2	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A8E3	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A8E4	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A8E5	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A8R1	0698-3443	1	R:FxD MET FLM 237 OHM 1% 1/8W	28480	0698-3443
A8R2	0698-3442	23	R:FxD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A8R3	0698-3442		R:FxD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A8R4	0698-3442		R:FxD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A8R5	0698-3442		R:FxD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A8R6	0698-3442		R:FxD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A8R7	0698-3442		R:FxD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A8R8	0698-3442		R:FxD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A8R9	0698-3442		R:FxD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A8R10	0698-3442		R:FxD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A8R11	0698-3442		R:FxD MET FLM 237 OHM 1% 1/8W	28480	0698-3442

Table 2-9. A8 I/O Buffer Card, Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A8R12	0698-3442	9	R:FXD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A8R13	0698-3442		R:FXD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A8R14	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A8R15	0757-0416		R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A8R16	0698-3442		R:FXD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A8R17	0698-3442	9	R:FXD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A8R18	0698-3442		R:FXD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A8R19	0698-3442		R:FXD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A8R20	0757-0416		R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A8R21	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A8R22	0757-0416	9	R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A8R23	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A8R24	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A8R25	0757-0416		R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A8R26	0698-3442		R:FXD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A8R27	0757-0416	9	R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A8R28	0698-3442		R:FXD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A8R29	0757-0416		R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A8R30	0757-0416		R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A8R31	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A8R32	0698-3444	4	R:FXD MET FLM 316 OHM 1% 1/8W	28480	0698-3444
A8R33	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A8R34	0698-3442		R:FXD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A8R35	0698-3442		R:FXD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A8R36	0698-3446		R:FXD MET FLM 383 OHM 1% 1/8W	28480	0698-3446
A8R37	0698-3442	9	R:FXD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A8R38	0698-3442		R:FXD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A8R39	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A8R40	0698-3444		R:FXD MET FLM 316 OHM 1% 1/8W	28480	0698-3444
A8R41	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A8R42	0757-0416	2	R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A8R43	0698-3442		R:FXD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A8R44	0698-3444		R:FXD MET FLM 316 OHM 1% 1/8W	28480	0698-3444
A8R45	0698-3444		R:FXD MET FLM 316 OHM 1% 1/8W	28480	0698-3444
A8R46	0698-3441		R:FXD MET FLM 215 OHM 1% 1/8W	28480	0698-3441
A8R47	0757-0418	9	R:FXD MET FLM 619 OHM 1% 1/8W	28480	0757-0418
A8R48	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A8R49	0757-0416		R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A8R50	0757-0416		R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A8R51	0698-3441		R:FXD MET FLM 215 OHM 1% 1/8W	28480	0698-3441
A8S1	3101-1213	2	SWITCH:TOGGLE DPST-DB SUB-MINIATURE	81640	T8001
A8S2	3101-1213		SWITCH:TOGGLE DPST-DB SUB-MINIATURE	81640	T8001
A8J11	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8J12	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8J13	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8J14	1820-0186	4	IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8J15	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8J16	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8J17	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8J21	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A8U22	1820-0186	4	IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8J23	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8U24	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A8J25	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8U26	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8J31	1820-0186	4	IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8J32	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8J33	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8U34	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8J35	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8J36	1820-0186	4	IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8J37	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8U41	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A8J42	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8J43	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8J44	1820-0301	4	IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A8J45	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8J46	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8J51	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8J52	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8U53	1820-0186	4	IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8J54	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8J55	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A8J56	1820-0239		IC:TTL QUAD 2-INPT NOR GATE	28480	1820-0239
A8U57	1820-0437		IC:TTL QUAD D F/F	04713	MC4015P

Table 2-9. A8 I/O Buffer Card, Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A8U51	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A8J62	1820-0609	3	IC:TTL DUAL J-K F/F W/COM. CLK & RESET	04713	MC3061P
A8U53	1820-0140	2	IC:TTL DUAL 4-INPT AND BUFFER	04713	MC3026P
A8J64	1820-0424	2	IC:TTL HS HEX INVERTER	04713	SN74HC4N
A8U55	1820-0608	1	IC:TTL 1 OF DECODER W/ENABLE	04713	MC4006P
A8J66	1820-0376	1	IC:TTL HS DUAL 4-INPT NAND BUFFER	01295	SN74HC0N
A8J67	1820-0449	1	IC:TTL DUAL D F/F	04713	MC3060P
A8J71	1820-0609		IC:TTL DUAL J-K F/F W/COM. CLK & RESET	04713	MC3061P
A8J72	1820-0371	1	IC:TTL HS TRIPLE 3-INPT NAND GATE	01295	SN74H10N
A8J73	1820-0370	3	IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74HC0N
A8U74	1820-0372	2	IC:TTL TRIPLE 3-INPT AND GATE	28480	1820-0372
A8U75	1820-0451	4	IC:TTL DUAL J-K F/F	04713	MC3062P
A8J76	1820-0451		IC:TTL DUAL J-K F/F	04713	MC3062P
A8J81	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74HC0N
A8U82	1820-0451		IC:TTL DUAL J-K F/F	04713	MC3062P
A8J83	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A8U85	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8J86	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8U87	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8J91	1820-0140		IC:TTL DUAL 4-INPT AND BUFFER	04713	MC3026P
A8U92	1820-0372		IC:TTL TRIPLE 3-INPT AND GATE	28480	1820-0372
A8U93	1820-0451		IC:TTL DUAL J-K F/F	04713	MC3062P
A8J94	1820-0424		IC:TTL HS HEX INVERTER	04713	SN74HC4N
A8U95	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8U96	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8J97	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8U102	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74HC0N
A8J103	1820-0609		IC:TTL DUAL J-K F/F W/COM. CLK & RESET	04713	MC3061P
A8U104	1820-0485	1	IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A8J105	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A8U106	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A8J107	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X

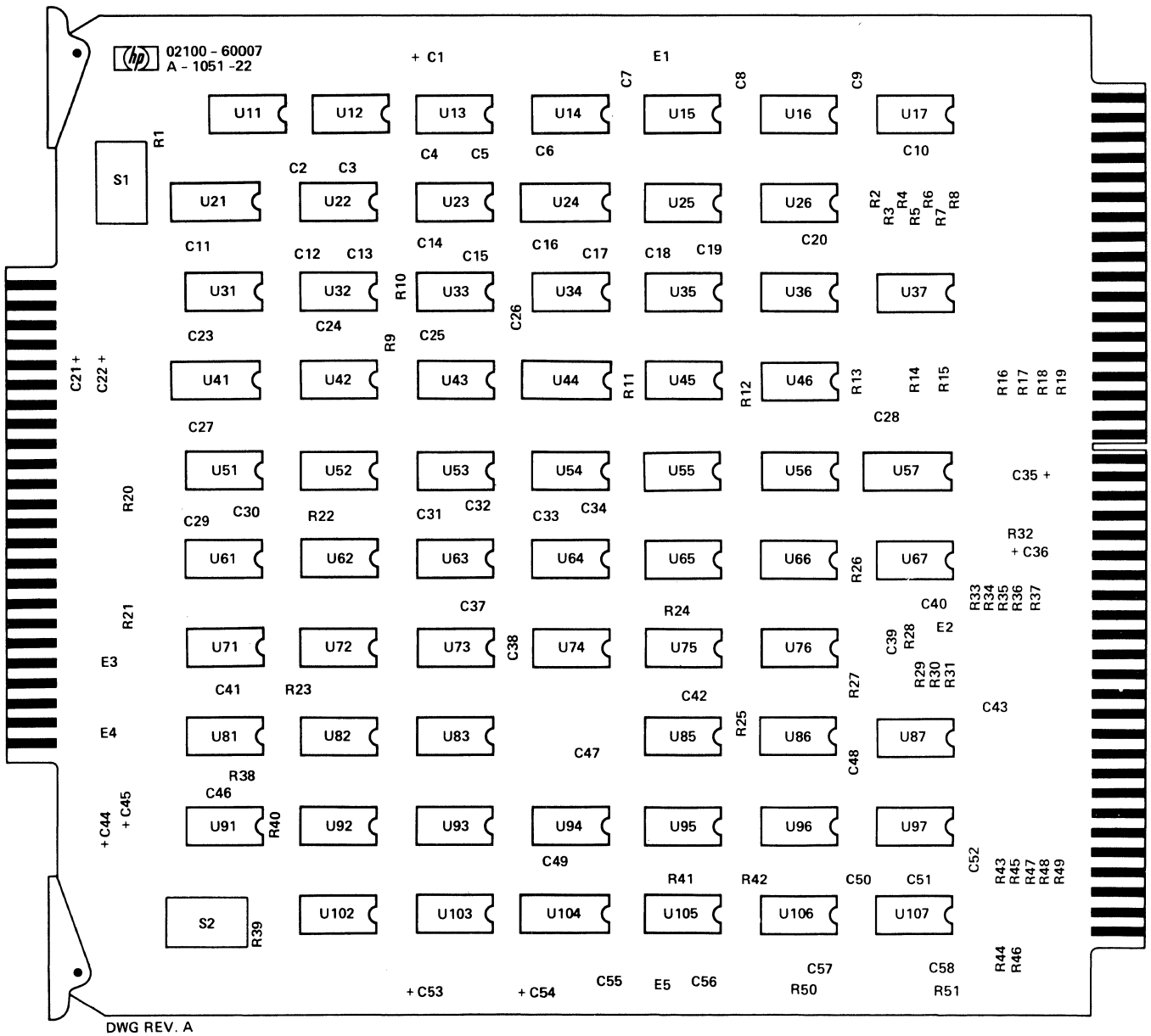


Figure 2-9. A8 I/O Buffer Card, Parts Location Diagram

Table 2-10. A9 Direct Memory Access Card (Accessory), Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A9	12895-60001	1	DIRECT MEMORY ACCESS CARD ASSY	28480	12895-60001
A9C1	0160-2055	21	C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A9C2	0180-0197	10	C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A9C3	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A9C4	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A9C5	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A9C6	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A9C7	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A9C8	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A9C9	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A9C10	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A9C11	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A9C12	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A9C13	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A9C14	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A9C15	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A9C16	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A9C17	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A9C18	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A9C19	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A9C20	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A9C21	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A9C22	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A9C23	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A9C24	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A9C25	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A9C26	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A9C27	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A9C28	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A9C29	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A9C30	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A9C31	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A9R1	0757-0407	17	R:FXD MET FLM 200 OHM 1% 1/8W	28480	0757-0407
A9R2	0757-0407		R:FXD MET FLM 200 OHM 1% 1/8W	28480	0757-0407
A9R3	0757-0407		R:FXD MET FLM 200 OHM 1% 1/8W	28480	0757-0407
A9R4	0757-0407		R:FXD MET FLM 200 OHM 1% 1/8W	28480	0757-0407
A9R5	0757-0407		R:FXD MET FLM 200 OHM 1% 1/8W	28480	0757-0407
A9R6	0757-0407		R:FXD MET FLM 200 OHM 1% 1/8W	28480	0757-0407
A9R7	0757-0407		R:FXD MET FLM 200 OHM 1% 1/8W	28480	0757-0407
A9R8	0757-0407		R:FXD MET FLM 200 OHM 1% 1/8W	28480	0757-0407
A9R9	0757-0407		R:FXD MET FLM 200 OHM 1% 1/8W	28480	0757-0407
A9R10	0757-0407		R:FXD MET FLM 200 OHM 1% 1/8W	28480	0757-0407
A9R11	0757-0407		R:FXD MET FLM 200 OHM 1% 1/8W	28480	0757-0407
A9R12	0698-3439	1	R:FXD MET FLM 178 OHM 1% 1/8W	28480	0698-3439
A9R13	0757-0280	7	R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A9R14	0757-0407		R:FXD MET FLM 200 OHM 1% 1/8W	28480	0757-0407
A9R15	0757-0407		R:FXD MET FLM 200 OHM 1% 1/8W	28480	0757-0407
A9R16	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A9R17	0757-0407		R:FXD MET FLM 200 OHM 1% 1/8W	28480	0757-0407
A9R18	0757-0407		R:FXD MET FLM 200 OHM 1% 1/8W	28480	0757-0407
A9R19	0757-1094	2	R:FXD MET FLM 1.47K OHM 1% 1/8W	28480	0757-1094
A9R20	0757-0416	9	R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A9R21	0757-0416		R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A9R22	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A9R23	0757-0416		R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A9R24	0757-0416		R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A9R25	0757-0418	1	R:FXD MET FLM 619 OHM 1% 1/8W	28480	0757-0418
A9R26	0757-0407		R:FXD MET FLM 200 OHM 1% 1/8W	28480	0757-0407
A9R27	0757-0416		R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A9R28	0757-0416		R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A9R29	0698-3446	1	R:FXD MET FLM 383 OHM 1% 1/8W	28480	0698-3446
A9R30	0757-1094		R:FXD MET FLM 1.47K OHM 1% 1/8W	28480	0757-1094
A9R31	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A9R32	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A9R33	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A9R34	0757-0416		R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A9R35	0757-0416		R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A9R36	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A9R37	0757-0407		R:FXD MET FLM 200 OHM 1% 1/8W	28480	0757-0407
A9R38	0757-0416		R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A9R39	1810-0080	2	R:NETWORK 7 X 500 OHM 5% 0.15W EACH	28480	1810-0080
A9R40	1810-0080		R:NETWORK 7 X 500 OHM 5% 0.15W EACH	28480	1810-0080
A9R41	0698-3443	2	R:FXD MET FLM 287 OHM 1% 1/8W	28480	0698-3443
A9R42	0698-3443		R:FXD MET FLM 287 OHM 1% 1/8W	28480	0698-3443
A9J11	1820-0233	16	IC:TTL SYNUP-ON 4-BIT BINARY COUNTER	01295	SN74193N

Table 2-10. A9 Direct Memory Access Card (Accessory), Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A9J12	1820-0485	10	IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A9J13	1820-0233		IC:TTL SYNUP-ON 4-BIT BINARY COUNTER	01295	SN74193N
A9J14	1820-0485		IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A9J15	1820-0233		IC:TTL SYNUP-ON 4-BIT BINARY COUNTER	01295	SN74193N
A9J16	1820-0485		IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A9J17	1820-0233	8	IC:TTL SYNUP-ON 4-BIT BINARY COUNTER	01295	SN74193N
A9J21	1820-0233		IC:TTL SYNUP-ON 4-BIT BINARY COUNTER	01295	SN74193N
A9J22	1820-0616		IC:TTL 4-BIT 2-INPT MULTIPLEXER	07263	U78932259X
A9J23	1820-0233		IC:TTL SYNUP-ON 4-BIT BINARY COUNTER	01295	SN74193N
A9J24	1820-0616		IC:TTL 4-BIT 2-INPT MULTIPLEXER	07263	U78932259X
A9J25	1820-0233		IC:TTL SYNUP-ON 4-BIT BINARY COUNTER	01295	SN74193N
A9J26	1820-0616		IC:TTL 4-BIT 2-INPT MULTIPLEXER	07263	U78932259X
A9J27	1820-0233		IC:TTL SYNUP-ON 4-BIT BINARY COUNTER	01295	SN74193N
A9J31	1820-0233		IC:TTL SYNUP-ON 4-BIT BINARY COUNTER	01295	SN74193N
A9J32	1820-0485		IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A9J33	1820-0233		IC:TTL SYNUP-ON 4-BIT BINARY COUNTER	01295	SN74193N
A9J34	1820-0485		IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A9J35	1820-0233		IC:TTL SYNUP-ON 4-BIT BINARY COUNTER	01295	SN74193N
A9J36	1820-0485		IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A9J37	1820-0233		IC:TTL SYNUP-ON 4-BIT BINARY COUNTER	01295	SN74193N
A9J41	1820-0233		IC:TTL SYNUP-ON 4-BIT BINARY COUNTER	01295	SN74193N
A9J42	1820-0616		IC:TTL 4-BIT 2-INPT MULTIPLEXER	07263	U78932259X
A9J43	1820-0233		IC:TTL SYNUP-ON 4-BIT BINARY COUNTER	01295	SN74193N
A9J44	1820-0616		IC:TTL 4-BIT 2-INPT MULTIPLEXER	07263	U78932259X
A9J45	1820-0233		IC:TTL SYNUP-ON 4-BIT BINARY COUNTER	01295	SN74193N
A9J46	1820-0616	6	IC:TTL 4-BIT 2-INPT MULTIPLEXER	07263	U78932259X
A9J47	1820-0233		IC:TTL SYNUP-ON 4-BIT BINARY COUNTER	01295	SN74193N
A9J51	1820-0616		IC:TTL 4-BIT 2-INPT MULTIPLEXER	07263	U78932259X
A9J52	1820-0371		IC:TTL HS TRIPLE 3-INPT NAND GATE	01295	SN74H10N
A9J53	1820-0371		IC:TTL HS TRIPLE 3-INPT NAND GATE	01295	SN74H10N
A9J54	1820-0186	3	IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A9J56	1820-0371		IC:TTL HS TRIPLE 3-INPT NAND GATE	01295	SN74H10N
A9J57	1820-0485		IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A9J61	1820-0485	7	IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A9J62	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A9J63	1820-0451	2	IC:TTL DUAL J-K F/F	04713	MC3062P
A9J65	1820-0451		IC:TTL DUAL J-K F/F	04713	MC3062P
A9J66	1820-0141	2	IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A9J67	1820-0485		IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A9J71	1820-0616		IC:TTL 4-BIT 2-INPT MULTIPLEXER	07263	U78932259X
A9J72	1820-0605	2	IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H01N
A9J73	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A9J75	1820-0205	1	IC:TTL QUAD 2-INPT OR GATE	28480	1820-0205
A9J76	1820-0372		IC:TTL TRIPLE 3-INPT AND GATE	28480	1820-0372
A9J77	1820-0372		IC:TTL TRIPLE 3-INPT AND GATE	28480	1820-0372
A9J81	1820-0485		IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A9J82	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A9J83	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A9J84	1820-0140		IC:TTL DUAL 4-INPT AND BUFFER	04713	MC3026P
A9J85	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A9J86	1820-0482	4	IC:CTL 1 OF 8 DECODER	07263	U6B983849X
A9J87	1820-0482		IC:CTL 1 OF 8 DECODER	07263	U6B983849X
A9J92	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A9J93	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A9J94	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A9J95	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A9J96	1820-0482		IC:CTL 1 OF 8 DECODER	07263	U6B983849X
A9J97	1820-0482		IC:CTL 1 OF 8 DECODER	07263	U6B983849X
A9J102	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A9J103	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A9J104	1820-0371		IC:TTL HS TRIPLE 3-INPT NAND GATE	01295	SN74H10N
A9J105	1820-0371		IC:TTL HS TRIPLE 3-INPT NAND GATE	01295	SN74H10N
A9J106	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A9J107	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A9J112	1820-0424		IC:TTL HS HEX INVERTER	04713	SN74H04N
A9J113	1820-0449	2	IC:TTL DUAL D F/F	04713	MC3060P
A9J114	1820-0372		IC:TTL TRIPLE 3-INPT AND GATE	28480	1820-0372
A9J115	1820-0371	4	IC:TTL HS TRIPLE 3-INPT NAND GATE	01295	SN74H10N
A9J116	1820-0615		IC:TTL 8-INPT MULTIPLEXER W/COM.ENABLE	04713	FAIR 9312
A9J117	1820-0615		IC:TTL 8-INPT MULTIPLEXER W/COM.ENABLE	04713	FAIR 9312
A9J121	1820-0613	1	IC:HS HEX INVERTER W/OPEN COLL.	01295	SN74H05N
A9J122	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A9J123	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A9J124	1820-0449		IC:TTL DUAL D F/F	04713	MC3060P
A9J125	1820-0605		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H01N

Table 2-10. A9 Direct Memory Access Card (Accessory), Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A9J126 A9J127	1820-0615 1820-0615		IC:TTL 8-INPT MULTIPLEXER W/COM.ENABLE IC:TTL 8-INPT MULTIPLEXER W/COM.ENABLE	04713 04713	FAIR 9312 FAIR 9312

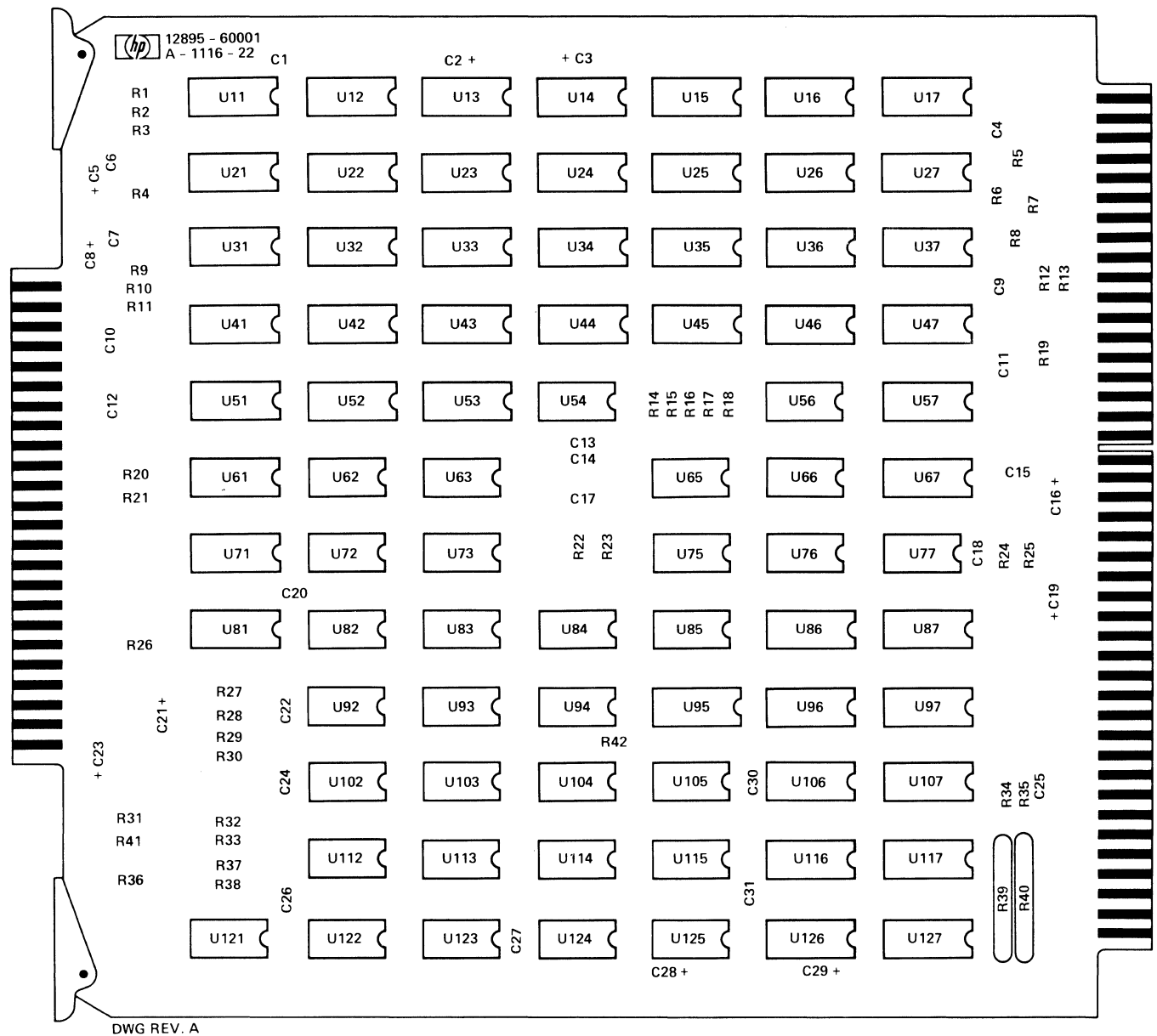


Figure 2-10. A9 Direct Memory Access Card (Accessory), Parts Location Diagram

Table 2-11. A16 I/O Terminator Card, Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A16 A16R1 THRU A16R15	02100-60060 0698-7220	1 32	I/O TERMINATOR CARD ASSY R:FXD MET FLM 215 OHM 2% 1/8W	28480 28480	02100-60060 0698-7220
A16R16 A16R17 THRU A16R21	0698-7236 0698-7220	2	R:FXD MET FLM 1K OHM 2% 1/8W R:FXD MET FLM 215 OHM 2% 1/8W	28480 28480	0698-7236 0698-7220
A16R22 A16R23 THRU A16R34	0698-7236 0698-7220		R:FXD MET FLM 1K OHM 2% 1/8W R:FXD MET FLM 215 OHM 2% 1/8W	28480 28480	0698-7236 0698-7220

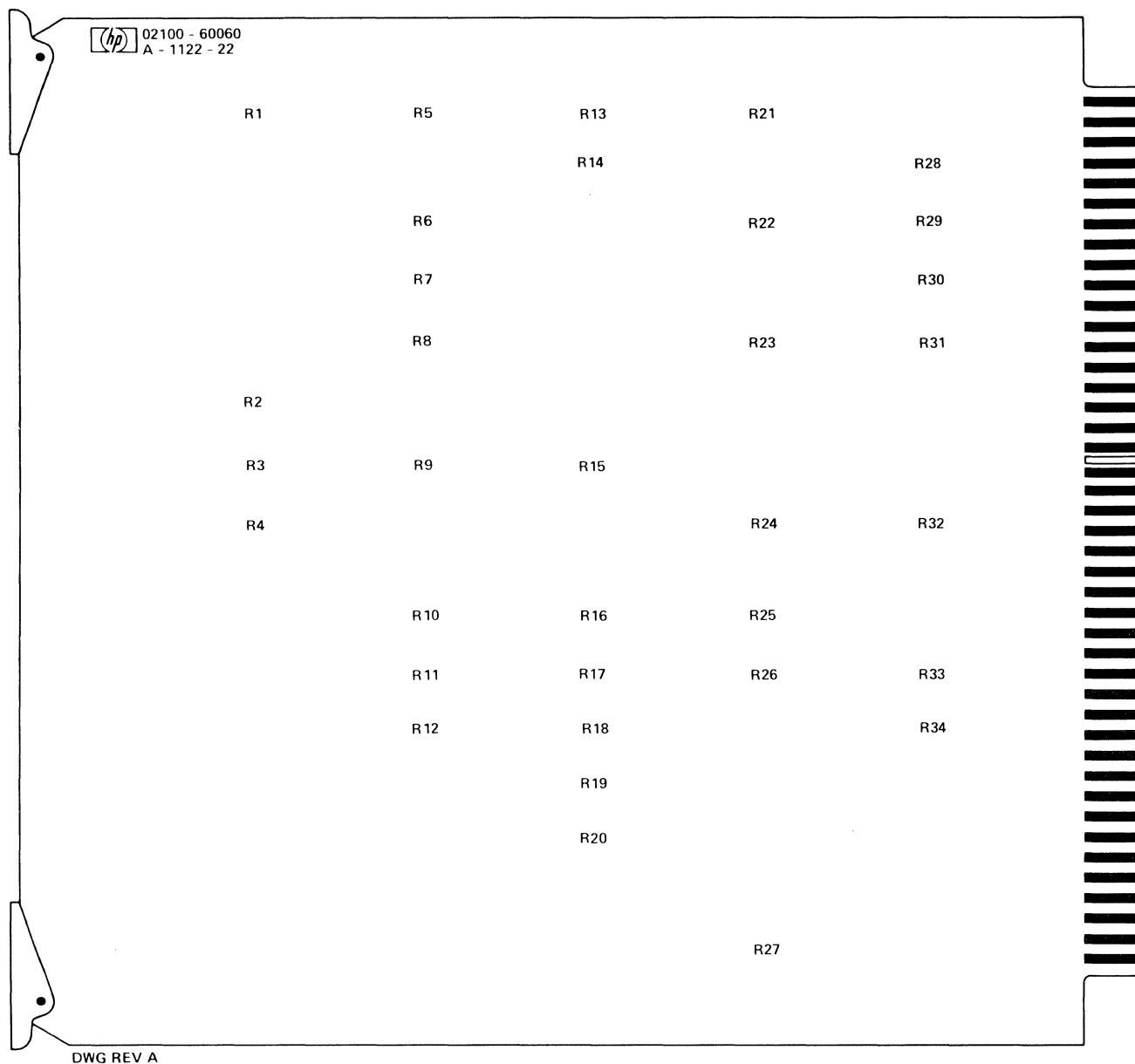


Figure 2-11. A16 I/O Terminator Card, Parts Location Diagram

Table 2-12. A101, A104, A109, A112 X-Y Driver/Switch Card, Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A101	02100-60012	4	X-Y DRIVER/SWITCH CARD ASSY	28480	02100-60012
A101C1	0160-2940	3	C:FXD MICA 470 PF 5% 300VDCW	72136	RDM15F471J3C
A101C2	0160-2940		C:FXD MICA 470 PF 5% 300VDCW	72136	RDM15F471J3C
A101C3	0160-2940		C:FXD MICA 470 PF 5% 300VDCW	72136	RDM15F471J3C
A101C5	0160-0127	8	C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A101C6	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A101C7	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A101C8	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A101C9	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A101C10	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A101C11	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A101C12	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A101C13	0180-0161	2	C:FXD ELECT 3.3 UF 20% 35VDCW	56289	1500335X003582-DYS
A101C14	0180-0161		C:FXD ELECT 3.3 UF 20% 35VDCW	56289	1500335X003582-DYS
A101CR1	1901-0040	96	DIODE:SILICON 30MA 30WV	07263	FDG1088
THRU					
A101CR96					
A101E1	0360-0294	6	TERMINAL:SOLDER POINT	07263	FDG1088
A101E2	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A101E3	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A101E4	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A101E5	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A101E6	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A101Q1	1853-0015	4	TSTR:SI PNP	80131	2N3640
A101Q2	1854-0019	4	TSTR:SI NPN	28480	1854-0019
A101Q3	1854-0019		TSTR:SI NPN	28480	1854-0019
A101Q4	1853-0015		TSTR:SI PNP	80131	2N3640
A101Q5	1853-0015		TSTR:SI PNP	80131	2N3640
A101Q6	1854-0019		TSTR:SI NPN	28480	1854-0019
A101Q7	1853-0015		TSTR:SI PNP	80131	2N3640
A101Q8	1854-0019		TSTR:SI NPN	28480	1854-0019
A101R1	0757-0280	36	R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
THRU					
A101R32					
A101R33	0698-3444	16	R:FXD MET FLM 316 OHM 1% 1/8W	28480	0698-3444
THRU					
A101R48					
A101R49	0757-0180	68	R:FXD MET FLM 31.6 OHM 1% 1/8W	28480	0757-0180
THRU					
A101R116	0757-0180				
A101R117	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A101R118	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A101R119	0698-3437	4	R:FXD MET FLM 133 OHM 1% 1/8W	28480	0698-3437
A101R120	0757-0421	4	R:FXD MET FLM 825 OHM 1% 1/8W	28480	0757-0421
A101R121	0757-0274	4	R:FXD MET FLM 1.21K OHM 1% 1/8W	28480	0757-0274
A101R122	0698-3437		R:FXD MET FLM 133 OHM 1% 1/8W	28480	0698-3437
A101R123	0757-0421		R:FXD MET FLM 825 OHM 1% 1/8W	28480	0757-0421
A101R124	0757-0274		R:FXD MET FLM 1.21K OHM 1% 1/8W	28480	0757-0274
A101R125	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A101R126	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A101R127	0757-0274		R:FXD MET FLM 1.21K OHM 1% 1/8W	28480	0757-0274
A101R128	0698-3437		R:FXD MET FLM 133 OHM 1% 1/8W	28480	0698-3437
A101R129	0757-0421		R:FXD MET FLM 825 OHM 1% 1/8W	28480	0757-0421
A101R130	0757-0274		R:FXD MET FLM 1.21K OHM 1% 1/8W	28480	0757-0274
A101R131	0698-3437		R:FXD MET FLM 133 OHM 1% 1/8W	28480	0698-3437
A101R132	0757-0421		R:FXD MET FLM 825 OHM 1% 1/8W	28480	0757-0421
A101R133	0757-1090	4	R:FXD MET FLM 261 OHM 1% 1/2W	28480	0757-1090
A101R134	0757-1090		R:FXD MET FLM 261 OHM 1% 1/2W	28480	0757-1090
A101R135	0757-1090		R:FXD MET FLM 261 OHM 1% 1/2W	28480	0757-1090
A101R156	0757-1090		R:FXD MET FLM 261 OHM 1% 1/2W	28480	0757-1090
A101R157	0811-2084	4	R:FXD WW 43 OHM 1% 5W	28480	0811-2084
A101R158	0811-2084		R:FXD WW 43 OHM 1% 5W	28480	0811-2084
A101R159	0811-2084		R:FXD WW 43 OHM 1% 5W	28480	0811-2084
A101R160	0811-2084		R:FXD WW 43 OHM 1% 5W	28480	0811-2084
A101R161	0757-0403	64	R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
THRU					
A101R224					
A101T1	9100-3130	16	TRANSFORMER:PULSE	28480	9100-3130
THRU					
A101T16					
A101U1	1821-0006	16	TSTR:QUAD NPN NETWORK	28480	1821-0006
THRU					
A101U16					

Table 2-12. A101, A104, A109, A112 X-Y Driver/Switch Card, Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A101U17	1820-0482	8	IC:CTL 1 OF 8 DECODER	07263	U68983849X
A101U18	1820-0482		IC:CTL 1 OF 8 DECODER	07263	U68983849X
A101U19	1820-0482		IC:CTL 1 OF 8 DECODER	07263	U68983849X
A101U20	1820-0482		IC:CTL 1 OF 8 DECODER	07263	U68983849X
A101U21	1820-0482	6	IC:CTL 1 OF 8 DECODER	07263	U68983849X
A101U22	1820-0482		IC:CTL 1 OF 8 DECODER	07263	U68983849X
A101U23	1820-0482		IC:CTL 1 OF 8 DECODER	07263	U68983849X
A101U24	1820-0482		IC:CTL 1 OF 8 DECODER	07263	U68983849X
A101W1	5080-0058		CONDUCTOR ASSY	28480	5080-0058
A101W2	5080-0058		CONDUCTOR ASSY	28480	5080-0058
A101W3	5080-0058		CONDUCTOR ASSY	28480	5080-0058
A101W4	5080-0058		CONDUCTOR ASSY	28480	5080-0058
A101W5	5080-0058		CONDUCTOR ASSY	28480	5080-0058
A101W6	5080-0058		CONDUCTOR ASSY	28480	5080-0058
A104			SAME AS A101, USE PREFIX A104		
A109			SAME AS A101, USE PREFIX A109		
A112			SAME AS A101, USE PREFIX A112		

Table 2-13. A102, A103 Core Stack/Sense Amplifier Card (4K), Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A102	02100-60040	2	CORE STACK/SENSE AMPL CARD ASSY-4K	28480	02100-60040
A102A1	5087-0002	2	4K CORE STACK ASSY	28480	5087-0002
A102C1	0160-2055	9	C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103Z522-CDH
A102C2	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103Z522-CDH
A102C3	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103Z522-CDH
A102C4	0160-2055	8	C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103Z522-CDH
A102C5	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A102C6	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A102C7	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A102C8	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A102C9	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A102C10	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A102C11	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103Z522-CDH
A102C12	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103Z522-CDH
A102C13	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103Z522-CDH
A102C14	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103Z522-CDH
A102C15	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103Z522-CDH
A102C16	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A102C17	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A102CR1	1910-0016	1	DIODE:GERMANIUM 100MA/0.85V 60PIV	93332	D2361
A102Q1	1854-0215	18	TSTR:SI NPN	80131	2N3904
A102Q2	1853-0321	35	TSTR:SI PNP	28480	1853-0321
A102Q3	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q4	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q5	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q6	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q7	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q8	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q9	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q10	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q11	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q12	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q13	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q14	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q15	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q16	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q17	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q18	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q19	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q20	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q21	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q22	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q23	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q24	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q25	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q26	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q27	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q28	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q29	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q30	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q31	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q32	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q33	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q34	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q35	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q36	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q37	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q38	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q39	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q40	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q41	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q42	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q43	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q44	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q45	1853-0321		TSTR:SI PNP	28480	1853-0321

Table 2-13. A102, A103 Core Stack/Sense Amplifier Card (4K), Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A102Q46	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q47	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q48	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q49	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q50	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q51	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q52	1853-0321		TSTR:SI PNP	28480	1853-0321
A102Q53	1854-0215		TSTR:SI NPN	80131	2N3904
A102R1	0698-7310	34	R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R2	0757-0290	17	R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R3	0698-3447	17	R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R4	0698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R5	0757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R6	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R7	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R8	0757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R9	0698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R10	0698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R11	0757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R12	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R13	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R14	0757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R15	0698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R16	0698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R17	0757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R18	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R19	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R20	0757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R21	0698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R22	0698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R23	0757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R24	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R25	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R26	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R27	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R28	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R29	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R30	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R31	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R32	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R33	0698-3441	1	R:FXD MET FLM 215 OHM 1% 1/8W	28480	0698-3441
A102R34	0757-0280	1	R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A102R35	0757-0417	1	R:FXD MET FLM 562 OHM 1% 1/8W	28480	0757-0417
A102R36	0757-0420	1	R:FXD MET FLM 750 OHM 1% 1/8W	28480	0757-0420
A102R37	0698-0082	1	R:FXD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A102R38	1810-0045	3	RESISTOR PACK:7 RES. 200 OHM 5% 0.15W	28480	1810-0045
A102R39	1810-0045		RESISTOR PACK:7 RES. 200 OHM 5% 0.15W	28480	1810-0045
A102R40	2100-0061	1	R:VAR FLM 200 OHM 10% LIN 1/2W	28480	2100-0061
A102R41	1810-0045		RESISTOR PACK:7 RES. 200 OHM 5% 0.15W	28480	1810-0045
A102R42	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R43	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R44	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R45	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R46	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R47	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R48	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R49	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R50	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R51	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R52	0698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R53	0757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R54	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R55	0757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R56	0698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R57	0698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R58	0757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R59	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R60	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R61	0757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R62	0698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R63	0698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R64	0757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R65	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R66	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R67	0757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290

Table 2-13. A102, A103 Core Stack/Sense Amplifier Card (4K), Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A102R68	0698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R69	0698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R70	0757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R71	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R72	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R73	0757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R74	0698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R75	0698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A102R76	0757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A102R77	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R78	0757-0401	1	R:FXD MET FLM 100 OHM 1% 1/8W	28480	0757-0401
A102U1	1858-0001	9	TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U2	1858-0001		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U3	1858-0001		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U4	1858-0001		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U5	0960-0111	9	BALUN MODULE	28480	0960-0111
A102U6	0960-0111		BALUN MODULE	28480	0960-0111
A102U7	0960-0111		BALUN MODULE	28480	0960-0111
A102U8	0960-0111		BALUN MODULE	28480	0960-0111
A102U9	1820-0370	1	IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A102U10	0960-0111		BALUN MODULE	28480	0960-0111
A102U11	0960-0111		BALUN MODULE	28480	0960-0111
A102U12	0960-0111		BALUN MODULE	28480	0960-0111
A102U13	0960-0111		BALUN MODULE	28480	0960-0111
A102U14	0960-0111		BALUN MODULE	28480	0960-0111
A102U15	1858-0001		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U16	1858-0001		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U17	1858-0001		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U18	1858-0001		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U19	1858-0001		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U36 THRU A102U51	5087-1013	16	DIODE MODULE	28480	5087-1013
A103			SAME AS A102, USE PREFIX A103		

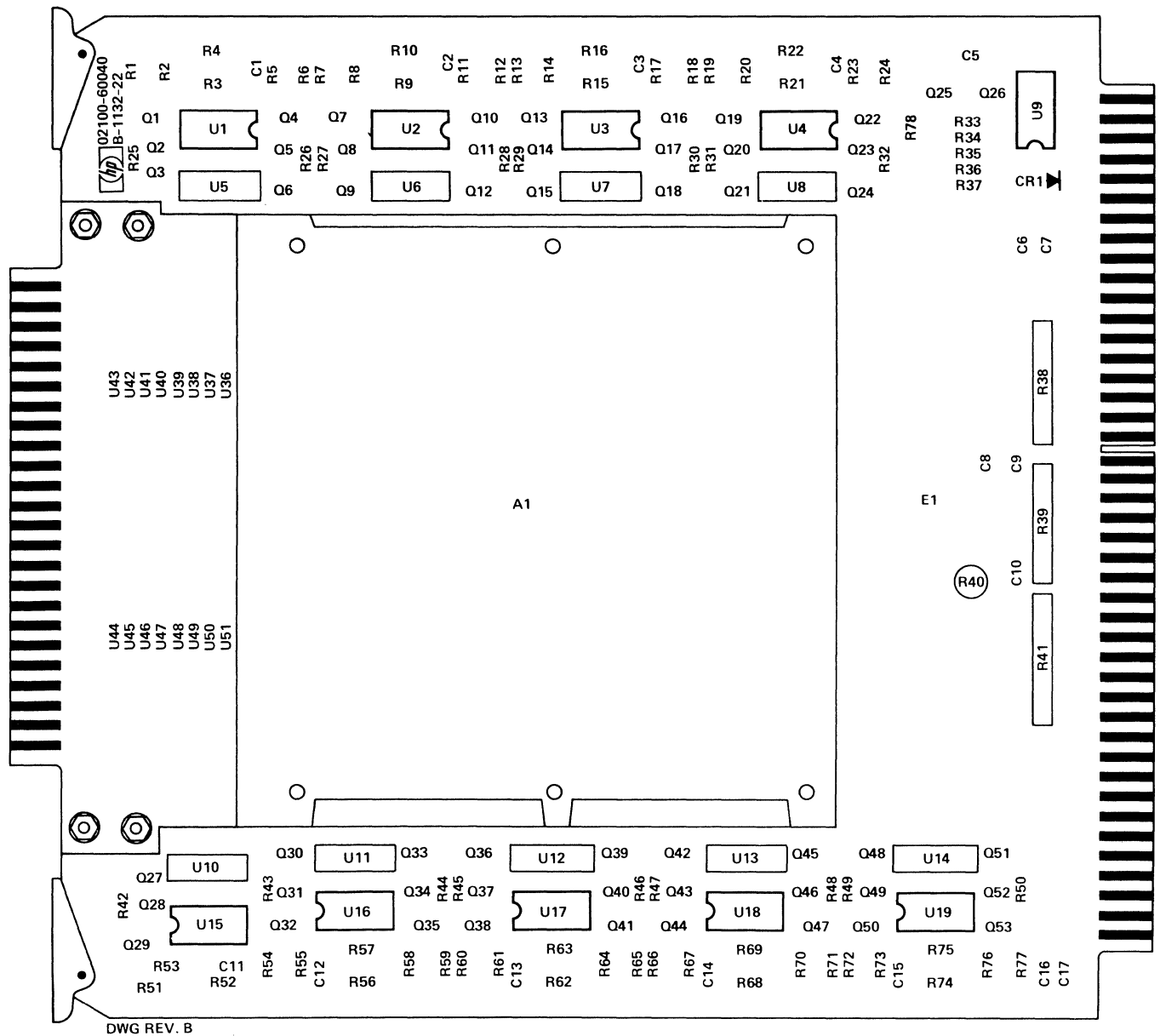


Figure 2-13. A102, A103 Core Stack/Sense Amplifier Card (4K), Parts Location Diagram

Table 2-14. A102, A103, A110, A111 Core Stack/Sense Amplifier Card (8K), Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A102	5060-8324	4	CORE STACK/SENSE AMPL CARD ASSY-8K	28480	5060-8324
A102A1	5087-0001	1	8K CORE STACK ASSY	28480	5087-0001
A102C1	0160-0127	9	C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A102C2	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A102C3	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A102C4	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A102C5	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A102C6	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A102C7	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A102C8	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A102C9	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A102CR1	1910-0016	2	DIODE:GERMANIUM 100MA/0.85V 60PIV	93332	D2361
A102CR2	1910-0016		DIODE:GERMANIUM 100MA/0.85V 60PIV	93332	D2361
A102E1	0360-0294	2	TERMINAL:SOLDER POINT	28480	0360-0294
A102E2	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A102Q1	1853-0036	36	TSTR:SI PNP	80131	2N3906
A102Q2	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q3	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q4	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q5	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q6	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q7	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q8	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q9	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q10	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q11	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q12	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q13	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q14	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q15	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q16	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q17	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q18	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q19	1854-0215	17	TSTR:SI NPN	80131	2N3904
A102Q20	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q21	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q22	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q23	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q24	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q25	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q26	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q27	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q28	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q29	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q30	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q31	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q32	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q33	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q34	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q35	1854-0215		TSTR:SI NPN	80131	2N3904
A102Q36	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q37	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q38	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q39	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q40	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q41	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q42	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q43	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q44	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q45	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q46	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q47	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q48	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q49	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q50	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q51	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q52	1853-0036		TSTR:SI PNP	80131	2N3906
A102Q53	1853-0036		TSTR:SI PNP	80131	2N3906
A102R1	0698-7310	34	R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R2	0698-3488	17	R:FXD MET FLM 442 OHM 1% 1/8W	28480	0698-3488
A102R3	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R4	0698-3488		R:FXD MET FLM 442 OHM 1% 1/8W	28480	0698-3488
A102R5	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R6	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R7	0698-3488		R:FXD MET FLM 442 OHM 1% 1/8W	28480	0698-3488

Table 2-14. A102, A103, A110, A111 Core Stack/Sense Amplifier Card (8K), Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A102R8	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R9	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R10	0698-3488		R:FXD MET FLM 442 OHM 1% 1/8W	28480	0698-3488
A102R11	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R12	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R13	0698-3488		R:FXD MET FLM 442 OHM 1% 1/8W	28480	0698-3488
A102R14	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R15	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R16	0698-3488		R:FXD MET FLM 442 OHM 1% 1/8W	28480	0698-3488
A102R17	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R18	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R19	0698-3488		R:FXD MET FLM 442 OHM 1% 1/8W	28480	0698-3488
A102R20	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R21	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R22	0698-3488		R:FXD MET FLM 442 OHM 1% 1/8W	28480	0698-3488
A102R23	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R24	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R25	0698-3430		R:FXD MET FLM 21.5 OHM 1% 1/8W	28480	0698-3430
A102R26		2	R:FXD (SELECTED FROM ONE OF THE FOLLOWING)		
	0698-441	1	R:FXD FLM 140 OHM 1% 1/8W	28480	0698-441
	0757-0284		R:FXD MET FLM 150 OHM 1% 1/8W	28480	0757-0284
	0757-0402		R:FXD MET FLM 110 OHM 1% 1/8W	28480	0757-0402
	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
	0757-0404		R:FXD FLM 130 OHM 1% 1/8W	28480	0757-0404
A102R27	0757-0276	2	R:FXD MET FLM 61.9 OHM 1% 1/8W	28480	0757-0276
A102R28	0757-0401	4	R:FXD MET FLM 100 OHM 1% 1/8W	28480	0757-0401
A102R29	0757-0401		R:FXD MET FLM 100 OHM 1% 1/8W	28480	0757-0401
A102R30	0698-3430		R:FXD MET FLM 21.5 OHM 1% 1/8W	28480	0698-3430
A102R31	0757-0401		R:FXD MET FLM 100 OHM 1% 1/8W	28480	0757-0401
A102R32		1	R:FXD (SELECTED FROM ONE OF THE FOLLOWING)		
	0698-441		R:FXD FLM 140 OHM 1% 1/8W	28480	0698-441
	0757-0284		R:FXD MET FLM 150 OHM 1% 1/8W	28480	0757-0284
	0757-0402		R:FXD MET FLM 110 OHM 1% 1/8W	28480	0757-0402
	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
	0757-0404		R:FXD FLM 130 OHM 1% 1/8W	28480	0757-0404
A102R33	0757-0401		R:FXD MET FLM 100 OHM 1% 1/8W	28480	0757-0401
A102R34	0757-0276		R:FXD MET FLM 61.9 OHM 1% 1/8W	28480	0757-0276
A102R35 THRU A102R51		17	R:FXD (SELECTED FROM ONE OF THE FOLLOWING)		
	0757-0288		R:FXD MET FLM 9.09K OHM 1% 1/8W	28480	0757-0288
	0757-0290		R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
	0757-0440		R:FXD MET FLM 7.50K OHM 1% 1/8W	28480	0757-0440
	0757-0441		R:FXD MET FLM 8.25K OHM 1% 1/8W	28480	0757-0441
	0757-0442		R:FXD MET FLM 10.0K OHM 1% 1/8W	28480	0757-0442
A102R52	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R53	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R54	0698-3488		R:FXD MET FLM 442 OHM 1% 1/8W	28480	0698-3488
A102R55	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R56	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R57	0698-3488		R:FXD MET FLM 442 OHM 1% 1/8W	28480	0698-3488
A102R58	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R59	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R60	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R61	0698-3488		R:FXD MET FLM 442 OHM 1% 1/8W	28480	0698-3488
A102R62	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R63	0698-3488		R:FXD MET FLM 442 OHM 1% 1/8W	28480	0698-3488
A102R64	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R65	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R66	0698-3488		R:FXD MET FLM 442 OHM 1% 1/8W	28480	0698-3488
A102R67	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R68	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R69	0698-3488		R:FXD MET FLM 442 OHM 1% 1/8W	28480	0698-3488
A102R70	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R71	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R72	0698-3488		R:FXD MET FLM 442 OHM 1% 1/8W	28480	0698-3488
A102R73	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R74	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R75	0698-3488		R:FXD MET FLM 442 OHM 1% 1/8W	28480	0698-3488
A102R76	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R77	0698-7310		R:FXD FLM 1.65K OHM 0.25% 1/8W	28480	0698-7310
A102R78	0698-3488		R:FXD MET FLM 442 OHM 1% 1/8W	28480	0698-3488
A102R79	2100-2061	1	R:VAR FLM 200 OHM 10% LIN 1/2W	28480	2100-2061
A102R80	1810-0045	5	RESISTOR PACK:7 RES. 200 OHM 5% 0.15W	28480	1810-0045

Table 2-14. A102, A103, A110, A111 Core Stack/Sense Amplifier Card (8K), Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A102R81	1810-0045	1	RESISTOR PACK:7 RES. 200 OHM 5% 0.15W	28480	1810-0045
A102R82	1810-0045		RESISTOR PACK:7 RES. 200 OHM 5% 0.15W	28480	1810-0045
A102R83	1810-0045		RESISTOR PACK:7 RES. 200 OHM 5% 0.15W	28480	1810-0045
A102R84	1810-0045		RESISTOR PACK:7 RES. 200 OHM 5% 0.15W	28480	1810-0045
A102R85	0698-3132		R:FxD FLN 261 OHM 1% 1/8W	28480	0698-3132
A102U1	1858-0001	17	TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U2	0960-0111	17	BALUN MODULE	28480	0960-0111
A102U3	1858-0001		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U4	0960-0111		BALUN MODULE	28480	0960-0111
A102U5	1858-0001		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U6	0960-0111		BALUN MODULE	28480	0960-0111
A102U7	1858-0001		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U8	0960-0111		BALUN MODULE	28480	0960-0111
A102U9	1858-0001		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U10	0960-0111		BALUN MODULE	28480	0960-0111
A102U11	1858-0001		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U12	0960-0111		BALUN MODULE	28480	0960-0111
A102U13	1858-0001		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U14	0960-0111		BALUN MODULE	28480	0960-0111
A102U15	1858-0001		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U16	0960-0111	1	BALUN MODULE	28480	0960-0111
A102U17	1920-0956		IC:CTL DUAL 2-INPT AND BUFFER	07263	U6A995679X
A102U18	0960-0111		BALUN MODULE	28480	0960-0111
A102U19	1858-0001		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U20	0960-0111		BALUN MODULE	28480	0960-0111
A102U21	1858-0001		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U22	0960-0111		BALUN MODULE	28480	0960-0111
A102U23	1858-0001		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U24	0960-0111		BALUN MODULE	28480	0960-0111
A102U25	1858-0001		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U26	0960-0111		BALUN MODULE	28480	0960-0111
A102U27	1858-0001		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U28	0960-0111		BALUN MODULE	28480	0960-0111
A102U29	1858-0001		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U30	0960-0111		BALUN MODULE	28480	0960-0111
A102U31	1858-0001		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U32	0960-0111		BALUN MODULE	28480	0960-0111
A102U33	1858-0001		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U34	0960-0111		BALUN MODULE	28480	0960-0111
A102U35	1858-0001		TSTR ARRAY:DUAL DIFF AMPL W/CONST CUR	02735	80381
A102U36 THRU A102U51	5087-1013	16	DIODE MODULE	28480	5087-1013
A102W1	8159-0005		JUMPER WIRE	28480	8159-0005
A103			SAME AS A102, USE PREFIX A103		
A110			SAME AS A102, USE PREFIX A110		
A111			SAME AS A102, USE PREFIX A111		

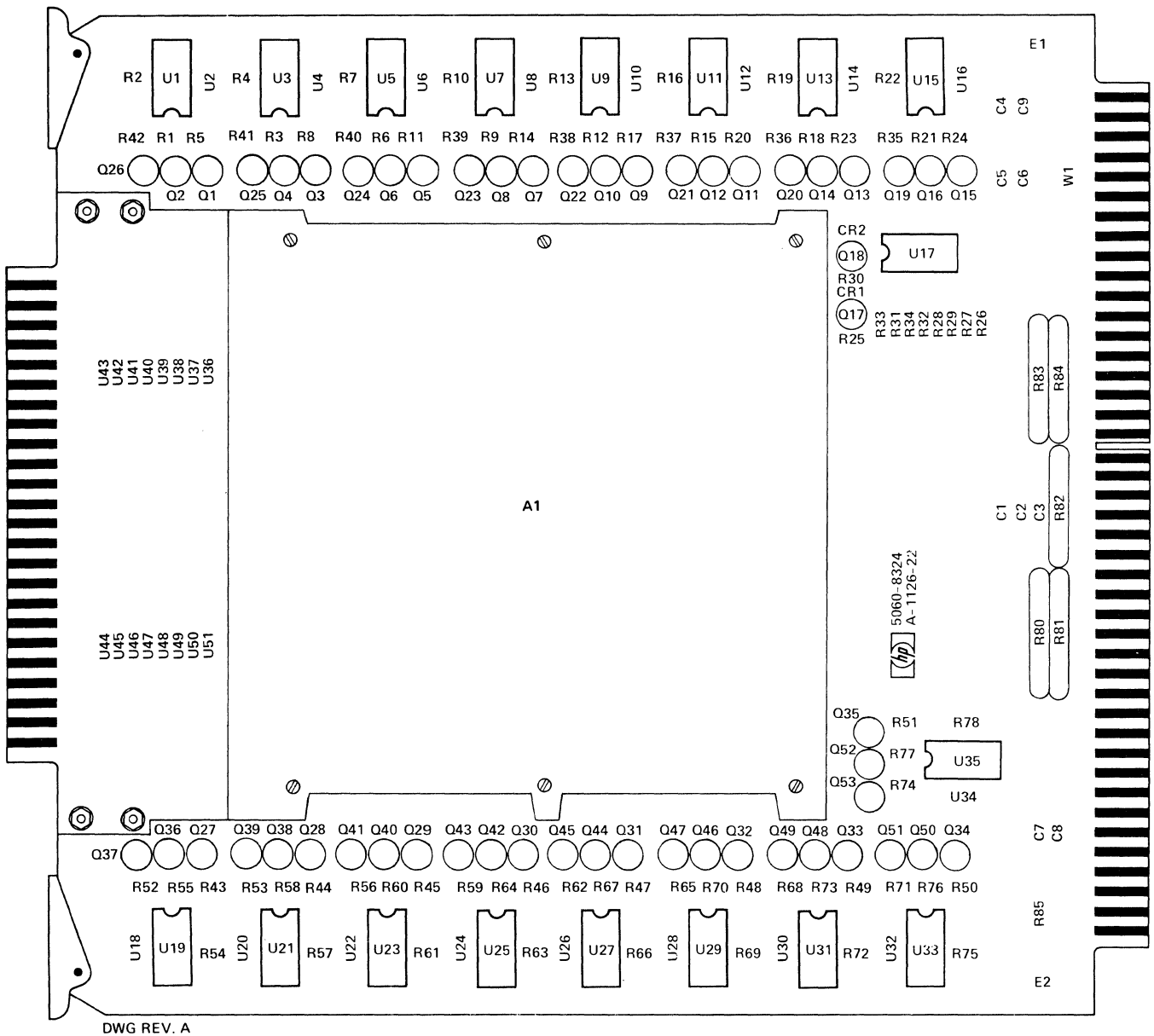


Table 2-15. A105 Inhibit Driver Card (8K), Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A105	02100-60008	1	INHIBIT DRIVER CARD ASSY: 8K	28480	02100-60008
A105C1	0160-0127	10	C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C2	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C3	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C4	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C7	0160-0128	3	C:FXD CER 2.2 UF 20% 25VDCW	56289	5C152C2S-CML
A105C8	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C9	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C10	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C14	0180-0116	1	C:FXD ELECT 6.8 UF 10% 35VDCW	56289	1500685X903582-DYS
A105C15	0180-0374	1	C:FXD TANT. 10 UF 10% 20VDCW	56289	1500136X902082-DYS
A105C16	0160-0128		C:FXD CER 2.2 UF 20% 25VDCW	56289	5C152C2S-CML
A105C17	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C18	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C19	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105CR3	0160-0128	34	C:FXD CER 2.2 UF 20% 25VDCW	56289	5C152C2S-CML
A105CR1	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR2	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR3	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR4	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR5	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR6	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR7	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR8	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR9	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR10	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR21	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR22	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR23	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR24	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR25	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR26	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR27	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR28	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR29	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR30	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR31	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR32	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR45	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR46	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR47	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR48	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR49	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR50	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR51	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR52	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR53	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR54	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR55	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105CR56	1901-0620		DIODE BREAKDOWN	28480	1901-0620
A105Q1	1854-0532	34	TSTR:SI NPN	02735	2N5262
A105Q2	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q3	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q4	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q5	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q11	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q12	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q13	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q14	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q15	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q21	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q22	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q23	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q24	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q25	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q26	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q33	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q34	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q35	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q36	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q37	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q38	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q45	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q46	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q47	1854-0532		TSTR:SI NPN	02735	2N5262

Table 2-15. A105 Inhibit Driver Card (8K), Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A105Q48	1854-0532	18	TSTR:SI NPN	02735	2N5262
A105Q49	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q50	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q57	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q58	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q59	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q60	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q61	1854-0532		TSTR:SI NPN	02735	2N5262
A105Q62	1854-0532		TSTR:SI NPN	02735	2N5262
A105K1	0757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R2	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R2	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105K4	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R5	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105K6	0757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R7	0757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R8	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R9	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R10	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R11	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R12	0757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R14	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R15	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R19	0757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R24	0757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R29	0757-0394	9	R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R30	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R31	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R32	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R33	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R34	0757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R35	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R36	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R37	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R38	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R39	0757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R40	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R41	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R42	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R43	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R44	0757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R49	0757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R54	0757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R59	0757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R60	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R61	0757-0403	9	R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R62	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R63	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R64	0757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R65	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R66	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R67	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R68	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R69	0757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R70	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R71	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R72	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R73	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R74	0757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R79	0757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R84	0757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105T1	9100-3180		TRANSFORMER	28480	9100-3180
A105T2	9100-3180		TRANSFORMER	28480	9100-3180
A105T3	9100-3180		TRANSFORMER	28480	9100-3180
A105T6	9100-3180		TRANSFORMER	28480	9100-3180
A105T7	9100-3180		TRANSFORMER	28480	9100-3180
A105T8	9100-3180		TRANSFORMER	28480	9100-3180
A105T12	9100-3180		TRANSFORMER	28480	9100-3180
A105T13	9100-3180		TRANSFORMER	28480	9100-3180
A105T14	9100-3180		TRANSFORMER	28480	9100-3180
A105U11	1820-0140	9	IC:TTL DUAL 4-INPT AND BUFFER	04713	MC3026P
A105U12	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U13	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U14	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U31	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U32	1820-0621	9	IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U33	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U41	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U42	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U43	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N

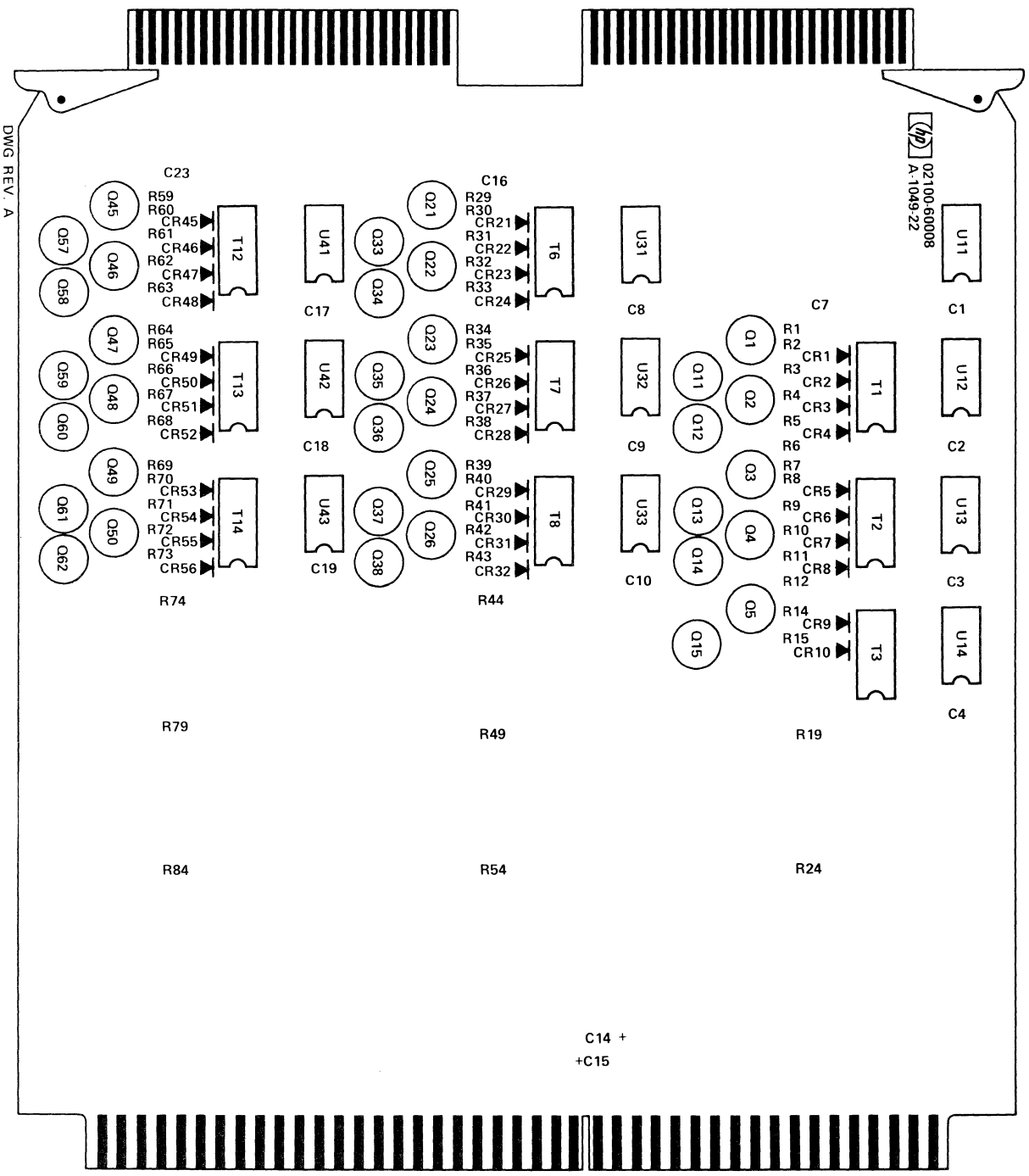


Figure 2-15. A105 Inhibit Driver Card (8K), Parts Location Diagram

Table 2-16. A105, A108 Inhibit Driver Card (16K), Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A105	02100-60009	2	INHIBIT DRIVER CARD ASSY: 16K	28480	02100-60009
A105C1	0160-0127	18	C:FxD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C2	0160-0127		C:FxD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C3	0160-0127		C:FxD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C4	0160-0127		C:FxD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C5	0160-0127		C:FxD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C6	0160-0127		C:FxD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C7	0160-0128	3	C:FxD CER 2.2 UF 20% 25VDCW	56289	5C152C25-CML
A105C8	0160-0127		C:FxD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C9	0160-0127		C:FxD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C10	0160-0127		C:FxD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C11	0160-0127		C:FxD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C12	0160-0127		C:FxD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C13	0160-0127		C:FxD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C14	0180-0116	1	C:FxD ELECT 6.8 UF 10% 35VDCW	56289	1500685X903582-DYS
A105C15	0180-0374	1	C:FxD TANT. 10 UF 10% 20VDCW	56289	1500106X902082-DYS
A105C16	0160-0128		C:FxD CER 2.2 UF 20% 25VDCW	56289	5C152C25-CML
A105C17	0160-0127		C:FxD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C18	0160-0127		C:FxD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C19	0160-0127		C:FxD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C20	0160-0127		C:FxD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C21	0160-0127		C:FxD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C22	0160-0127		C:FxD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A105C23	0160-0128		C:FxD CER 2.2 UF 20% 25VDCW	56289	5C152C25-CML
A105CR1 THRU A105CR68	1901-0620	68	DIODE BREAKDOWN	28480	1901-0620
A105Q1 THRU A105Q68	1854-0532		TSTR:SI NPN	02735	245262
A105R1	0757-0394	20	R:FxD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R2	0757-0403	68	R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R3	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R4	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R5	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R6	0757-0394		R:FxD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R7	0757-0394		R:FxD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R8	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R9	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R10	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R11	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R12	0757-0394		R:FxD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R13	0757-0394		R:FxD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R14	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R15	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R16	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R17	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R18	0757-0394		R:FxD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R19	0757-0394		R:FxD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R20	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R21	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R22	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R23	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R24	0757-0394		R:FxD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R25	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R26	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R27	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R28	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R29	0757-0394		R:FxD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R30	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R31	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R32	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R33	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R34	0757-0394		R:FxD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R35	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R36	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R37	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R38	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R39	0757-0394		R:FxD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R40	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R41	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R42	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R43	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R44	0757-0394		R:FxD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R45	0757-0403		R:FxD MET FLM 121 OHM 1% 1/8W	28480	0757-0403

Table 2-16. A105, A108 Inhibit Driver Card (16K), Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A105R46	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R47	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R48	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R49	0757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R50	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R51	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R52	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R53	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R54	0757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R55	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R56	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R57	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R58	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R59	0757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R60	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R61	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R62	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R63	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R64	0757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R65	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R66	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R67	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R68	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R69	0757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R70	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R71	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R72	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R73	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R74	0757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R75	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R76	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R77	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R78	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R79	0757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R80	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R81	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R82	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R83	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R84	0757-0394		R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A105R85	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R86	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R87	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105R88	0757-0403		R:FXD MET FLM 121 OHM 1% 1/8W	28480	0757-0403
A105T1 THRU A105T17	9100-3180	17	TRANSFORMER	28480	9100-3180
A105U11	1820-0140	2	IC:TTL DUAL 4-INPT AND BUFFER	04713	MC3026P
A105U12	1820-0621	17	IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U13	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U14	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U15	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U16	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U21	1820-0140		IC:TTL DUAL 4-INPT AND BUFFER	04713	MC3026P
A105U31	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U32	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U33	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U34	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U35	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U36	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U41	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U42	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U43	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U44	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U45	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A105U46	1820-0621		IC:TTL QUAD 2-INPT NAND BUFFER W/OPEN C	01295	SN7438N
A108			SAME AS A105, USE PREFIX A108		

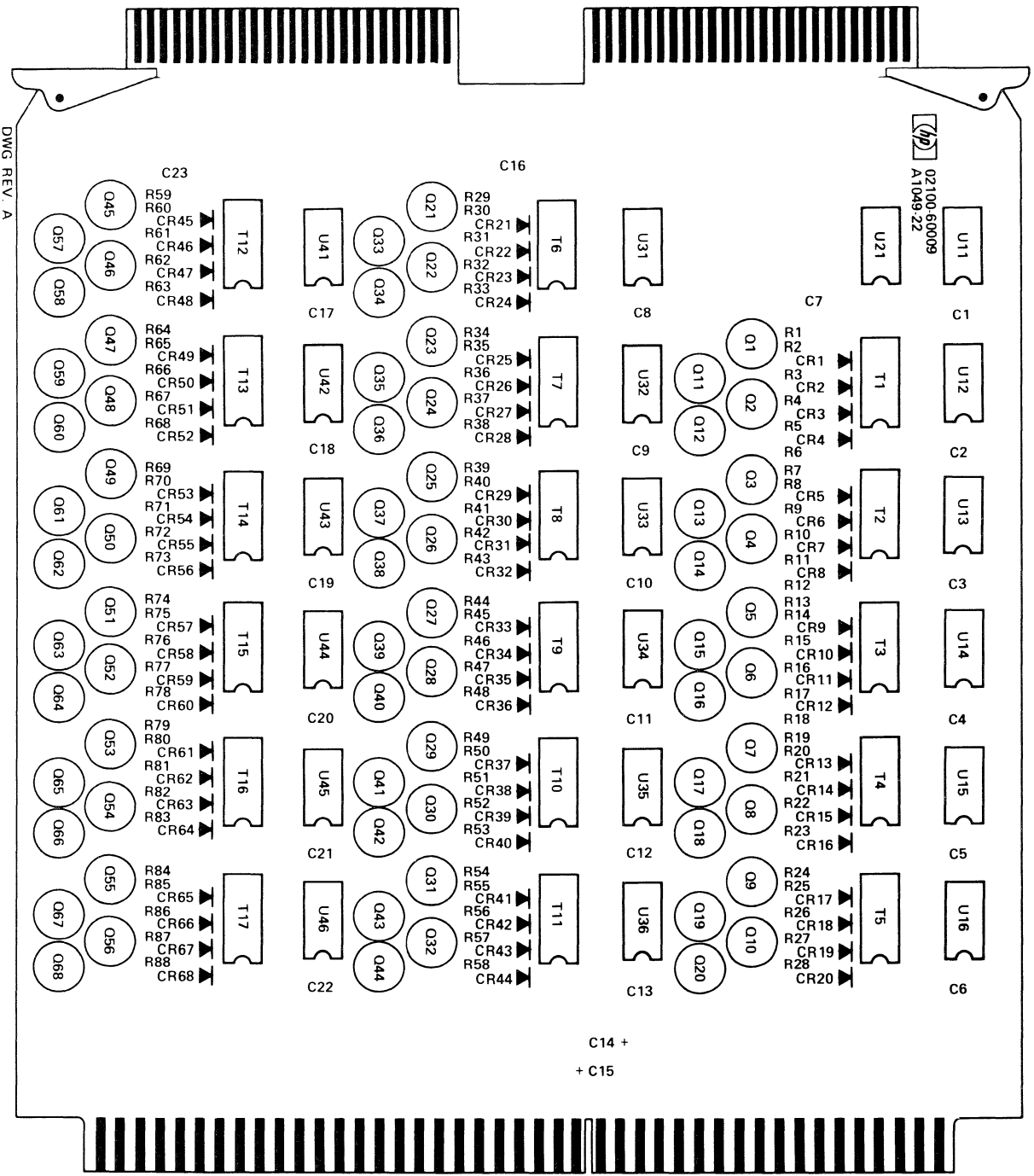


Table 2-17. A106 Inhibit Driver Load Card, Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A106	02100-60010	1	INHIBIT DRIVER LOAD CARD ASSY	28480	02100-60010
A106C1 THRU	0160-3871	17	C:FXD MICA 2000 PF 5% 100VDCW	72136	RDM19F202J15
A106C17 A106C18 THRU	0160-0127	17	C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A106C34					
A106C35	0180-0094	12	C:FXD ELECT 100 UF +75-10% 25VDCW	56289	30D107G025D02-DSM
A106C36	0180-0094		C:FXD ELECT 100 UF +75-10% 25VDCW	56289	30D107G025D02-DSM
A106C37	0180-0094		C:FXD ELECT 100 UF +75-10% 25VDCW	56289	30D107G025D02-DSM
A106C38	0180-0094		C:FXD ELECT 100 UF +75-10% 25VDCW	56289	30D107G025D02-DSM
A106C39	0180-0094		C:FXD ELECT 100 UF +75-10% 25VDCW	56289	30D107G025D02-DSM
A106C40	0180-0094		C:FXD ELECT 100 UF +75-10% 25VDCW	56289	30D107G025D02-DSM
A106C41	0180-0094		C:FXD ELECT 100 UF +75-10% 25VDCW	56289	30D107G025D02-DSM
A106C42	0180-0094		C:FXD ELECT 100 UF +75-10% 25VDCW	56289	30D107G025D02-DSM
A106C43	0180-0094		C:FXD ELECT 100 UF +75-10% 25VDCW	56289	30D107G025D02-DSM
A106C44	0180-0094		C:FXD ELECT 100 UF +75-10% 25VDCW	56289	30D107G025D02-DSM
A106C45	0180-0094		C:FXD ELECT 100 UF +75-10% 25VDCW	56289	30D107G025D02-DSM
A106C46	0180-0094		C:FXD ELECT 100 UF +75-10% 25VDCW	56289	30D107G025D02-DSM
A106R1 THRU	0811-2988	17	R:FXD WW 22 OHM 1% 7W	28480	0811-2988
A106R17					
A106R18	0811-2031	1	R:FXD WW 815 OHM 3% 1/4W	28480	0811-2031

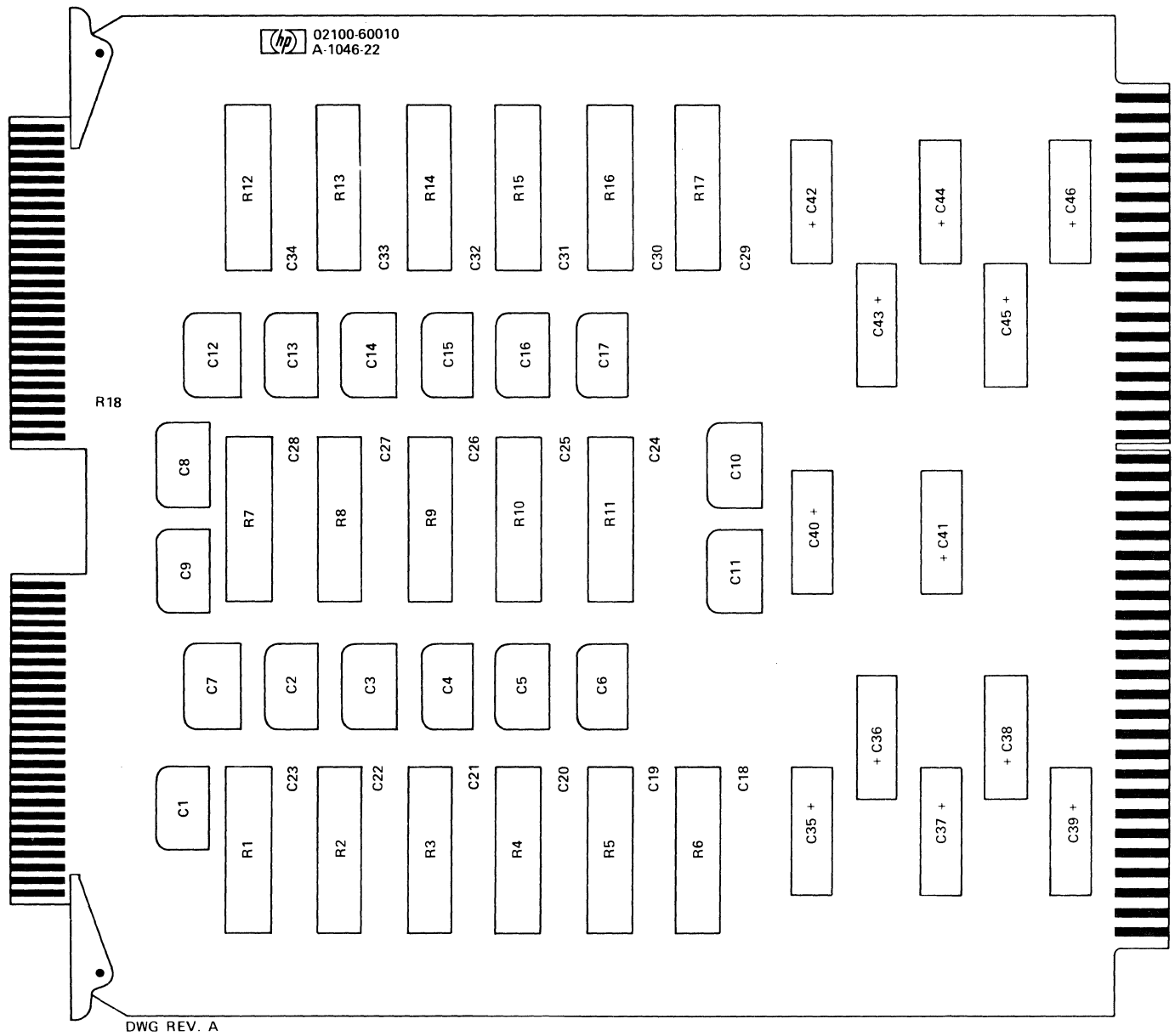


Figure 2-17. A106 Inhibit Driver Load Card, Parts Location Diagram

Table 2-18. A107 Data Control Card, Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A107	02100-60011	1	DATA CONTROL CARD ASSY	28480	02100-60011
A107C1	0160-2055	17	C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A107C2	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A107C3	0180-0197	6	C:FXD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A107C4	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A107C5	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A107C6	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A107C7	0160-0127	7	C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A107C8	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A107C9	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A107C10	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A107C11	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A107C12	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A107C13	0160-2199	2	C:FXD MICA 30 PF 5% 300VDCW	28480	0160-2199
A107C14	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A107C15	0160-2199		C:FXD MICA 30 PF 5% 300VDCW	28480	0160-2199
A107C16	0140-0196	1	C:FXD MICA 150 PF 5%	72136	RDH15F151J3C
A107C17	0140-0198	1	C:FXD MICA 200 PF 5%	72136	RDH15F201J3C
A107C19	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A107C20	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A107C21	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A107C22	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A107C23	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A107C24	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A107C25	0160-0127		C:FXD CER 1.0 UF 20% 25VDCW	56289	5C13CS-CML
A107C26	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A107C27	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A107C28	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A107C29	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A107C30	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A107C31	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A107C32	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A107C33	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A107C34	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A107C35	0140-0199	1	C:FXD MICA 240 PF 5%	28480	0140-0199
A107C36	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A107CR1	1910-0016	5	DIODE:GERMANIUM 100MA/0.85V 60PIV	93332	D2361
A107CR2	1910-0016		DIODE:GERMANIUM 100MA/0.85V 60PIV	93332	D2361
A107CR3	1910-0016		DIODE:GERMANIUM 100MA/0.85V 60PIV	93332	D2361
A107CR4	1990-0327	1	DIODE:LIGHT EMITTER	28480	1990-0327
A107CR5	1910-0016		DIODE:GERMANIUM 100MA/0.85V 60PIV	93332	D2361
A107CR6	1910-0016		DIODE:GERMANIUM 100MA/0.85V 60PIV	93332	D2361
A107CR7	5081-0001	7	PIN:DIODE	28480	5081-0001
A107CR8	5081-0001		PIN:DIODE	28480	5081-0001
A107CR9	5081-0001		PIN:DIODE	28480	5081-0001
A107CR10	5081-0001		PIN:DIODE	28480	5081-0001
A107CR11	5081-0001		PIN:DIODE	28480	5081-0001
A107CR12	5081-0001		PIN:DIODE	28480	5081-0001
A107CR13	5081-0001		PIN:DIODE	28480	5081-0001
A107DL1	1810-0064	1	DELAY LINE:	01961	GG4
A107E1 THRU A107E9	0360-0294	9	TERMINAL:SOLDER POINT	28480	0360-0294
A107Q2	1854-0019	7	TSTR:SI NPN	28480	1854-0019
A107Q3	1854-0019		TSTR:SI NPN	28480	1854-0019
A107Q4	1854-0019		TSTR:SI NPN	28480	1854-0019
A107Q5	1854-0019		TSTR:SI NPN	28480	1854-0019
A107Q6	1854-0019		TSTR:SI NPN	28480	1854-0019
A107Q7	1854-0019		TSTR:SI NPN	28480	1854-0019
A107Q8	1854-0019		TSTR:SI NPN	28480	1854-0019
A107R3	0698-0082	21	R:FXD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A107R4	0698-0082		R:FXD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A107R7	0698-3444	17	R:FXD MET FLM 316 OHM 1% 1/8W	28480	0698-3444
A107R8	0698-3444		R:FXD MET FLM 316 OHM 1% 1/8W	28480	0698-3444
A107R9	0698-3444		R:FXD MET FLM 316 OHM 1% 1/8W	28480	0698-3444
A107R10	0698-3444		R:FXD MET FLM 316 OHM 1% 1/8W	28480	0698-3444
A107R11	0698-3444		R:FXD MET FLM 316 OHM 1% 1/8W	28480	0698-3444
A107R12	0698-3444		R:FXD MET FLM 316 OHM 1% 1/8W	28480	0698-3444
A107R13	0698-3444		R:FXD MET FLM 316 OHM 1% 1/8W	28480	0698-3444
A107R17	0698-0082		R:FXD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A107R18	0757-0280	13	R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A107R19	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280

Table 2-18. A107 Data Control Card, Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A107R22	0698-0082	1	R:FxD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A107R23	0698-0082		R:FxD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A107R24	0698-3444		R:FxD MET FLM 316 OHM 1% 1/8W	28480	0698-3444
A107R25	0698-3443		R:FxD MET FLM 287 OHM 1% 1/8W	28480	0698-3443
A107R26	0757-0280		R:FxD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A107R27	0698-0082		R:FxD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A107R28	0698-0082		R:FxD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A107R29	0698-3444		R:FxD MET FLM 316 OHM 1% 1/8W	28480	0698-3444
A107R30	0698-0082		R:FxD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A107R33	0698-0082		R:FxD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A107R36	0757-0401	5	R:FxD MET FLM 100 OHM 1% 1/8W	28480	0757-0401
A107R37	0757-0401		R:FxD MET FLM 100 OHM 1% 1/8W	28480	0757-0401
A107R38	0698-3442	3	R:FxD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A107R40	0698-3151	5	R:FxD MET FLM 2.87K OHM 1% 1/8W	28480	0698-3151
A107R41	0698-3157	5	R:FxD MET FLM 19.6K OHM 1% 1/8W	28480	0698-3157
A107R42	0698-3151	3	R:FxD MET FLM 2.87K OHM 1% 1/8W	28480	0698-3151
A107R43	0698-3157		R:FxD MET FLM 19.6K OHM 1% 1/8W	28480	0698-3157
A107R44	0757-0441		R:FxD MET FLM 8.25K OHM 1% 1/8W	28480	0757-0441
A107R45	0757-0280		R:FxD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A107R46	0757-0441		R:FxD MET FLM 8.25K OHM 1% 1/8W	28480	0757-0441
A107R47	0757-0280	2	R:FxD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A107R48	0757-0401		R:FxD MET FLM 100 OHM 1% 1/8W	28480	0757-0401
A107R49	0698-3446		R:FxD MET FLM 383 OHM 1% 1/8W	28480	0698-3446
A107R50	0698-3446		R:FxD MET FLM 383 OHM 1% 1/8W	28480	0698-3446
A107R52	0698-3444		R:FxD MET FLM 316 OHM 1% 1/8W	28480	0698-3444
A107R53	0698-3444		R:FxD MET FLM 316 OHM 1% 1/8W	28480	0698-3444
A107R54	0698-0082		R:FxD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A107R55	0698-0082		R:FxD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A107R56	0698-0082		R:FxD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A107R57	0698-0082		R:FxD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A107R58	0698-3444	1	R:FxD MET FLM 316 OHM 1% 1/8W	28480	0698-3444
A107R59	0698-3444		R:FxD MET FLM 316 OHM 1% 1/8W	28480	0698-3444
A107R60	0757-0280		R:FxD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A107R61	0757-0284		R:FxD MET FLM 150 OHM 1% 1/8W	28480	0757-0284
A107R62	0698-0083	5	R:FxD MET FLM 1.96K OHM 1% 1/8W	28480	0698-0083
A107R63	0698-0083	2	R:FxD MET FLM 1.96K OHM 1% 1/8W	28480	0698-0083
A107R64	0698-0083		R:FxD MET FLM 1.96K OHM 1% 1/8W	28480	0698-0083
A107R65	0698-0083		R:FxD MET FLM 1.96K OHM 1% 1/8W	28480	0698-0083
A107R66	0698-3151		R:FxD MET FLM 2.87K OHM 1% 1/8W	28480	0698-3151
A107R67	2100-1738		R:VAR FLM 10K OHM 10% LIN 1/2W	28480	2100-1738
A107R68	2100-1738		R:VAR FLM 10K OHM 10% LIN 1/2W	28480	2100-1738
A107R69	0757-0401		R:FxD MET FLM 100 OHM 1% 1/8W	28480	0757-0401
A107R70	0698-3157		R:FxD MET FLM 19.6K OHM 1% 1/8W	28480	0698-3157
A107R71	0698-3151		R:FxD MET FLM 2.87K OHM 1% 1/8W	28480	0698-3151
A107R72	0698-3157		R:FxD MET FLM 19.6K OHM 1% 1/8W	28480	0698-3157
A107R73	0698-3151		R:FxD MET FLM 2.87K OHM 1% 1/8W	28480	0698-3151
A107R74	0698-3157		R:FxD MET FLM 19.6K OHM 1% 1/8W	28480	0698-3157
A107R75	0698-0083		R:FxD MET FLM 1.96K OHM 1% 1/8W	28480	0698-0083
A107R76	0698-3444		R:FxD MET FLM 316 OHM 1% 1/8W	28480	0698-3444
A107R77	0757-0441		R:FxD MET FLM 8.25K OHM 1% 1/8W	28480	0757-0441
A107R78	0757-0280		R:FxD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A107R79	0698-0082		R:FxD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A107R80	0698-0082		R:FxD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A107R81	0698-0082		R:FxD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A107R82	0698-0082		R:FxD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A107R83	0757-0280		R:FxD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A107R84	0698-3444		R:FxD MET FLM 316 OHM 1% 1/8W	28480	0698-3444
A107R85	0698-3444		R:FxD MET FLM 316 OHM 1% 1/8W	28480	0698-3444
A107R86	0698-3444		R:FxD MET FLM 316 OHM 1% 1/8W	28480	0698-3444
A107R87	0698-0082		R:FxD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A107R88	0698-0082	1	R:FxD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A107R89	0757-0280		R:FxD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A107R90	0757-0316		R:FxD MET FLM 42.2 OHM 1% 1/8W	28480	0757-0316
A107R91	0757-0401		R:FxD MET FLM 100 OHM 1% 1/8W	28480	0757-0401
A107R92	0757-0280		R:FxD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A107R93	0757-0274	2	R:FxD MET FLM 1.21K OHM 1% 1/8W	28480	0757-0274
A107R94	0757-0274	4	R:FxD MET FLM 1.21K OHM 1% 1/8W	28480	0757-0274
A107R96	0698-3442		R:FxD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A107R97	0757-0280		R:FxD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A107R98	0757-0416		R:FxD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A107R99	0757-0416		R:FxD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A107R101	0698-3442		R:FxD MET FLM 237 OHM 1% 1/8W	28480	0698-3442
A107R102	0698-0082		R:FxD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A107R103	0757-0416		R:FxD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A107R104	0698-0082		R:FxD MET FLM 464 OHM 1% 1/8W	28480	0698-0082

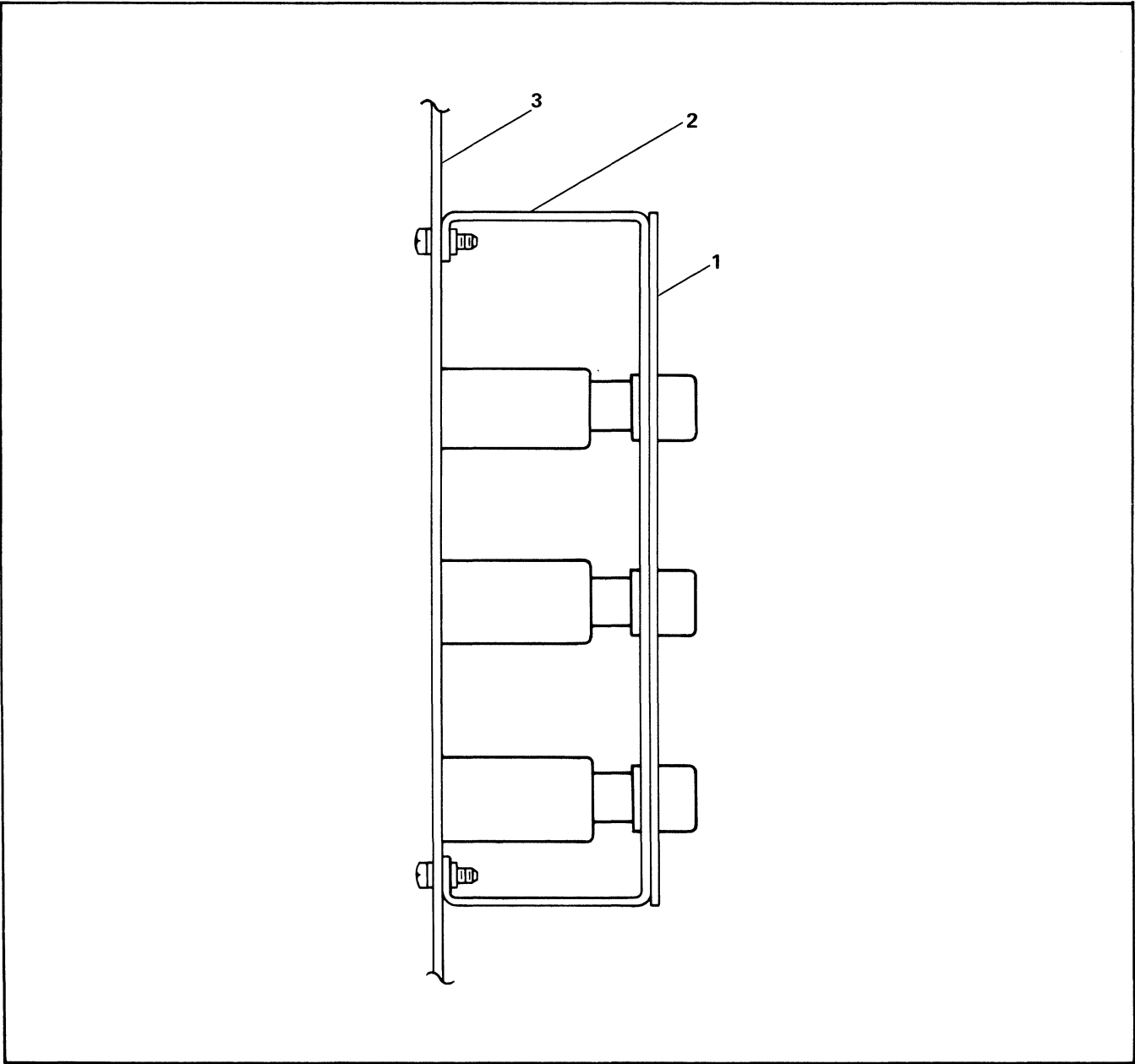
Table 2-18. A107 Data Control Card, Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A107R105	0698-3438	1	R:FXD MET FLM 147 OHM 1% 1/8W	28480	0698-3438
A107R106	0698-3445	9	R:FXD MET FLM 348 OHM 1% 1/8W	28480	0698-3445
A107R107	0757-0416		R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A107R108	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A107R109	0698-3132	2	R:FXD FLM 261 OHM 1% 1/8W	28480	0698-3132
A107R110	0698-3445		R:FXD MET FLM 348 OHM 1% 1/8W	28480	0698-3445
A107R111	0698-3445		R:FXD MET FLM 348 OHM 1% 1/8W	28480	0698-3445
A107R112	0698-3445		R:FXD MET FLM 348 OHM 1% 1/8W	28480	0698-3445
A107R113	0698-3445		R:FXD MET FLM 348 OHM 1% 1/8W	28480	0698-3445
A107R114	0698-3445		R:FXD MET FLM 348 OHM 1% 1/8W	28480	0698-3445
A107R115	0698-3445		R:FXD MET FLM 348 OHM 1% 1/8W	28480	0698-3445
A107R116	0698-3445		R:FXD MET FLM 348 OHM 1% 1/8W	28480	0698-3445
A107R117	0698-3445		R:FXD MET FLM 348 OHM 1% 1/8W	28480	0698-3445
A107R118	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A107R119	0698-3132		R:FXD FLM 261 OHM 1% 1/8W	28480	0698-3132
A107U1	3101-1213	1	SWITCH:TOGGLE DPST-DB SUB-MINIATURE	81640	T8001
A107U11	1820-0971	8	IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A107U12	1820-0435	2	IC:TTL 8-BIT ODD/EVEN GEN./CHECKER	01295	SN74180N
A107U13	1820-0301	4	IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A107U14	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A107U16	1820-0485	3	IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A107U17	1820-0233	4	IC:TTL SYNUP-ON 4-BIT BINARY COUNTER	01295	SN74193N
A107U21	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A107U22	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A107U23	1820-0616		IC:TTL 4-BIT 2-INPT MULTIPLEXER	07263	U78932259X
A107U24	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A107U25	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A107U26	1820-0485		IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A107U27	1820-0233		IC:TTL SYNUP-ON 4-BIT BINARY COUNTER	01295	SN74193N
A107U32	1820-0616		IC:TTL 4-BIT 2-INPT MULTIPLEXER	07263	U78932259X
A107U35	1820-0616		IC:TTL 4-BIT 2-INPT MULTIPLEXER	07263	U78932259X
A107U36	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A107U37	1820-0233		IC:TTL SYNUP-ON 4-BIT BINARY COUNTER	01295	SN74193N
A107U42	1820-0140	1	IC:TTL DUAL 4-INPT AND BUFFER	04713	MC3026P
A107U43	1820-0207	3	IC:TTL MONOSTABLE MULTIVIBRATOR	28480	1820-0207
A107U44	1820-0424	2	IC:TTL HS HEX INVERTER	04713	SN74HC4N
A107U45	1820-0604	1	IC:TTL DUAL 4-INPT NAND POWER GATE	04713	MC3025P
A107U46	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A107U47	1820-0233		IC:TTL SYNUP-ON 4-BIT BINARY COUNTER	01295	SN74193N
A107U53	1820-0207		IC:TTL MONOSTABLE MULTIVIBRATOR	28480	1820-0207
A107U54	1820-0966	1	IC:CTL DUAL 2-INPT AND 2W AND/OR GATE	14433	MIC 966
A107U55	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A107U56	1820-0435		IC:TTL 8-BIT ODD/EVEN GEN./CHECKER	01295	SN74180N
A107U57	1820-0205	3	IC:TTL QUAD 2-INPT OR GATE	28480	1820-0205
A107U63	1820-0207		IC:TTL MONOSTABLE MULTIVIBRATOR	28480	1820-0207
A107U64	1820-0328	1	IC:TTL QUAD 2-INPT NOR GATE	04713	SN7402N
A107U65	1820-0616		IC:TTL 4-BIT 2-INPT MULTIPLEXER	07263	U78932259X
A107U66	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A107U67	1820-0485		IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A107U73	1820-0372	1	IC:TTL TRIPLE 3-INPT AND GATE	28480	1820-0372
A107U74	1820-0451	3	IC:TTL DUAL J-K F/F	04713	MC3062P
A107U76	1820-0187	2	IC:CTL DUAL 2-INPT NOR GATE	07263	U6A985249X
A107U81	1820-0370	2	IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A107U82	1820-0141	2	IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A107U83	1820-0205		IC:TTL QUAD 2-INPT OR GATE	28480	1820-0205
A107U84	1820-0186	2	IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A107U85	1820-0971		IC:CTL DUAL 2W-2-INPT AND/OR GATE	07263	U6A997179X
A107U86	1820-0187		IC:CTL DUAL 2-INPT NOR GATE	07263	U6A985249X
A107U91	1820-0371	2	IC:TTL HS TRIPLE 3-INPT NAND GATE	01295	SN74H10N
A107U92	1820-0371		IC:TTL HS TRIPLE 3-INPT NAND GATE	01295	SN74H10N
A107U93	1820-0424		IC:TTL HS HEX INVERTER	04713	SN74HC4N
A107U95	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A107U96	1820-0482	1	IC:CTL 1 OF 8 DECODER	07263	U6B983849X
A107U101	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A107U102	1820-0451		IC:TTL DUAL J-K F/F	04713	MC3062P
A107U103	1820-0619	1	IC:TTL HS DUAL 4-INPT NAND GATE(OPEN C)	01295	SN74H22N
A107U104	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A107U105	1820-0451		IC:TTL DUAL J-K F/F	04713	MC3062P
A107U106	1820-0205		IC:TTL QUAD 2-INPT OR GATE	28480	1820-0205
A107W1	5080-0058	1	CONDUCTOR ASSY	28480	5080-0058



Table 2-19. Operator Panel Assembly, Replaceable Parts

FIG & INDEX NO.	HP PART NO.	DESCRIPTION	MFR CODE	MFR PART NO.	UNITS PER ASSY
2-19-1	No Number	OPERATOR PANEL ASSEMBLY (32, figure 2-1)		No Number	1
	02100-00025	* Switch Panel	28480	02100-00025	1
2	02100-00026	* Bracket, Mounting (Attaching Parts)	28480	02100-00026	1
3	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	4
	2190-0185	* Washer, Lock, split, No. 6	00000	OBD	4
	02100-60015	* Operator Panel Card (A24) (see figure 2-25)	28480	02100-60015	1

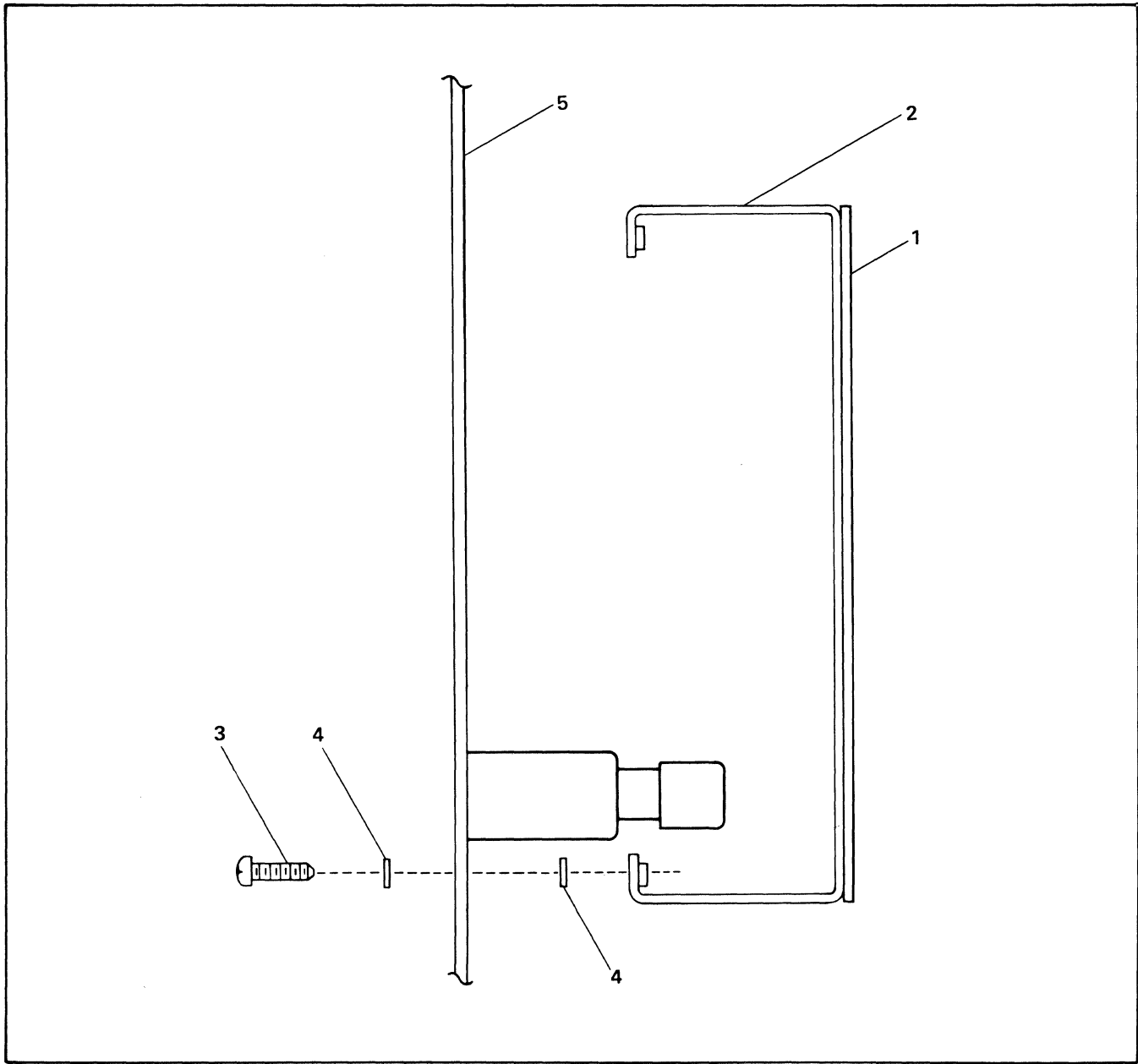


2135-15

Figure 2-19. Operator Panel Assembly, Exploded View

Table 2-20. Controller Panel Assembly (Option 001), Replaceable Parts

FIG & INDEX NO.	HP PART NO.	DESCRIPTION	MFR CODE	MFR PART NO.	UNITS PER ASSY
2-20-	No Number	CONTROLLER PANEL ASSEMBLY (32, figure 2-1)		No Number	1
1	02100-00130	* Switch Panel	28480	02100-00130	1
2	02100-00129	* Bracket, Mounting (Attaching Parts)	28480	02100-00129	1
3	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	4
4	3050-0005	* Washer, Fiber, No. 6 --- x ---	00000	OBD	8
5	02100-60017	* Controller Panel Card (A24) (see figure 2-26)	28480	02100-60017	1



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Figure 2-20. Controller Panel Assembly (Option 001), Exploded View

Table 2-21. Power Supply Assembly, Replaceable Parts

FIG & INDEX NO.	HP PART NO.	DESCRIPTION	MFR CODE	MFR PART NO.	UNITS PER ASSY
2-21-1	02100-60053 02100-00147	POWER SUPPLY ASSEMBLY (A25) (40, figure 2-1) * Rear Fan Panel Assembly (see figure 2-27) (Attaching Parts)	28480 28480	02100-60053 02100-00147	1 1
2	2360-0190	* Screw, Machine, flh, No. 6-32, 1/4 in. --- x ---	00000	OBD	13
3	02100-00157	* Cover, Access, bottom (Attaching Parts)	28480	02100-00157	1
4	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	8
5	2190-0851	* Washer, Lock, split, No. 6 --- x ---	00000	OBD	8
6	02100-60046	* Preregulator Control Card (A1) (see figure 2-28)	28480	02100-60046	1
7	02100-60058	* Inverter Driver Card (A2) (see figure 2-29)	28480	02100-60058	1
8	02100-60047	* Protection and Control Card (A3) (see figure 2-30)	28480	02100-60047	1
9	02100-60061	* Current Limit Card (A4) (see figure 2-31)	28480	02100-60061	1
10	02100-00161	* Cover, Access, top (Attaching Parts)	28480	02100-00161	1
11	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	12
12	2190-0851	* Washer, Lock, split, No. 6 --- x ---	00000	OBD	12
13	02100-00164	* Cover, front (Attaching Parts)	28480	02100-00164	1
14	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	6
15	2190-0851	* Washer, Lock, split, No. 6 --- x ---	00000	OBD	6
16	No Number	* Inverter Assembly (A7) (see figure 2-32) (Attaching Parts)			1
17	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	4
18	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	4
19	3050-0227	* Washer, Flat, No. 6 --- x ---	00000	OBD	4
20	02100-00141	* Bracket, Mounting (Attaching Parts)	28480	02100-00141	2
21	2360-0209	* Screw, Machine, flh, No. 10-32, 1 in.	00000	OBD	2
22	0340-0089	* Grommet, plastic, 1/4 in. ID, 3/4 in. OD	28480	0340-0089	4
23	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	2
24	3050-0227	* Washer, Flat, No. 6	00000	OBD	2
25	2420-0002	* Nut, Plain, Hexagon, No. 6-32 --- x ---	00000	OBD	2
26	02100-60048	* +160 Volt Output Board (A5) (see figure 2-33) (Attaching Parts)	28480	02100-60048	1
27	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	4
28	2190-0851	* Washer, Lock, No. 6	00000	OBD	4
29	3050-0227	* Washer, Flat, No. 6 --- x ---	00000	OBD	4
30	02100-00142	* Bracket, Mounting (Attaching Parts)	28480	02100-00142	1
	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	2
	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	2
	2420-0002	* Nut, Plain, Hexagon, No. 6-32 --- x ---	00000	OBD	2
31	02100-00143	* Bracket, Mounting (Attaching Parts)	28480	02100-00143	1
	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	2
	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	2
	2420-0002	* Nut, Plain, Hexagon, No. 6-32 --- x ---	00000	OBD	2
32	No Number	* Preregulator Assembly (A6) (see figure 2-34) (Attaching Parts)			1
33	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	4
34	3050-0227	* Washer, Lock, split, No. 6	00000	OBD	4
35	2190-0851	* Washer, Flat, No. 6 --- x ---	00000	OBD	4

Table 2-21. Power Supply Assembly, Replaceable Parts (Continued)

FIG & INDEX NO.	HP PART NO.	DESCRIPTION	MFR CODE	MFR PART NO.	UNITS PER ASSY
2-21-36	02100-00142	* Bracket, Mounting (Attaching Parts)	28480	02100-00142	1
	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	2
	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	2
	2420-0002	* Nut, Plain, Hexagon, No. 6-32 ---- x ----	00000	OBD	2
37	02100-00143	* Bracket, Mounting (Attaching Parts)	28480	02100-00143	1
	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	2
	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	2
	2420-0002	* Nut, Plain, Hexagon, No. 6-32 ---- x ----	00000	OBD	2
38	1901-0164	* Diode, Si, 200 PIV, 3A	28480	1901-0164	4
	02100-60064	* Diode Board and Bracket Assembly (Attaching Parts)	28480	02100-60064	1
39	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	2
40	2190-0851	* Washer, Lock, split, No. 6 ---- x ----	00000	OBD	2
41	5020-0096	** Diode Board	28480	5020-0096	1
42	5020-0241	** Bracket	28480	5020-0241	2
43	02100-00148	* Bus Bar (Attaching Parts)	28480	02100-00148	2
	2680-0099	* Screw, Machine, ph, No. 10-32, 1/4 in.	00000	OBD	2
	2190-0077	* Washer, Lock, split, No. 10 ---- x ----	00000	OBD	2
44	2360-0201	* Screw, Machine, ph, No. 6-32, 1/2 in.	00000	OBD	2
45	0590-0077	* Nut, Self-Locking, Hexagon, No. 6-32	00000	OBD	2
46	0180-2417	* Capacitor, Fxd, Elect, 430 mF, - 10 +50%, 200 VDCW (C19, C20)	14659	36D431F200AB2A	2
47	9100-2921	* Transformer, 8 mH (T6) (Attaching Parts)	28480	9100-2921	1
	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	4
	2190-0851	* Washer, Lock, split, No. 6 ---- x ----	00000	OBD	4
48	9100-2922	* Transformer, Control (T5) (Attaching Parts)	28480	9100-2922	1
	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	2
	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	2
	2420-0002	* Nut, Plain, Hexagon, No. 6-32 ---- x ----	00000	OBD	2
49	9100-2920	* Inductor, Choke, 1.6 mH (L9) (Attaching Parts)	28480	9100-2920	1
	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	2
	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	2
	2420-0002	* Nut, Plain, Hexagon, No. 6-32 ---- x ----	00000	OBD	2
50	9100-2923	* Transformer, Inverter (T3, T4) (Attaching Parts)	28480	9100-2923	2
	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	4
	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	4
	2420-0002	* Nut, Plain, Hexagon, No. 6-32 ---- x ----	00000	OBD	4
51	0360-1128	* Terminal Board (TB1) (Attaching Parts)	71785	353-11-09-001	1
52	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	2
53	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	2
54	3050-0227	* Washer, Flat, No. 6 ---- x ----	00000	OBD	2
55	0360-1699	* Terminal Board (TB2) (Attaching Parts)	98410	39007	1

Table 2-21. Power Supply Assembly, Replaceable Parts (Continued)

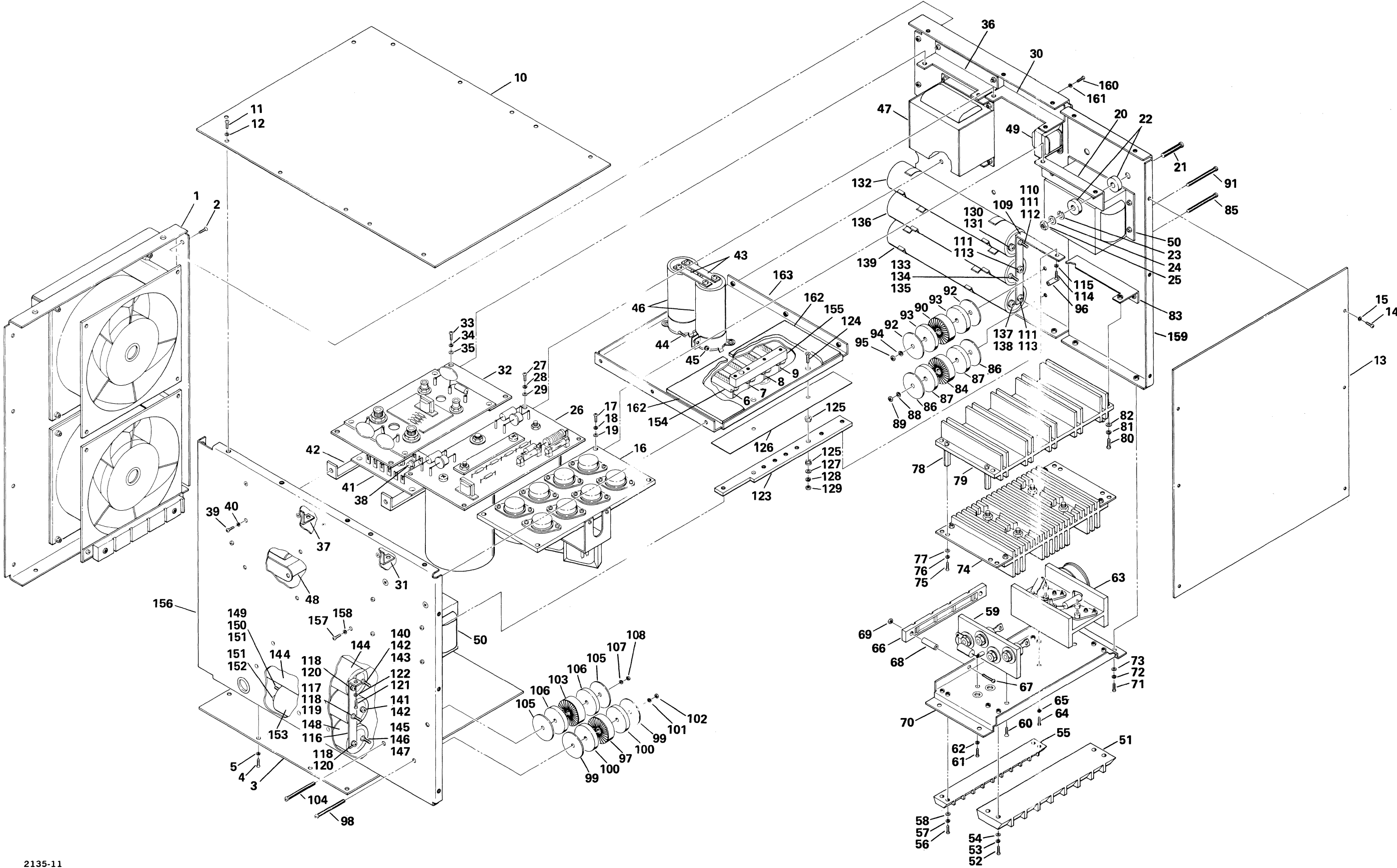
FIG & INDEX NO.	HP PART NO.	DESCRIPTION	MFR CODE	MFR PART NO.	UNITS PER ASSY
2-21-56	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	2
57	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	2
58	3050-0227	* Washer, Flat, No. 6 --- x ---	00000	OBD	2
59	02100-90101	* Output Crowbar Assembly (A10) (see figure 2-35) (Attaching Parts)	28480	02100-90101	1
60	2360-0196	* Screw, Machine, flh, No. 6-32, 3/8 in.	00000	OBD	1
61	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	1
62	2190-0851	* Washer, Lock, split, No. 6 --- x ---	00000	OBD	1
63	No Number	* $\pm$ 20 Volt Heat Sink Assembly (A11) (see figure 2-36) (Attaching Parts)			1
64	2190-0851	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	2
65	3050-0227	* Washer, Lock, split, No. 6 --- x ---	00000	OBD	2
66	05210-4001	* Guide, Printed-Circuit (Attaching Parts)	28480	05210-4001	1
67	2360-0209	* Screw, Machine, ph, No. 6-32, 1 in.	00000	OBD	2
68	0380-0010	* Spacer, Sleeve, 1/4 in. OD, 5/8 in. long	28480	0380-0010	2
69	2420-0003	* Nut, Plain, Hexagon, No. 6-32 --- x ---	00000	OBD	2
70	02100-00156	* Plate, Terminal Board Mounting (Attaching Parts)	28480	02100-00156	1
71	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	4
72	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	4
73	3050-0227	* Washer, Flat, No. 6 --- x ---	00000	OBD	4
74	No Number	* +4.85 Volt Rectifier Assembly (A9) (see figure 2-37) (Attaching Parts)			1
75	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	4
76	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	4
77	3050-0227	* Washer, Flat, No. 6 --- x ---	00000	OBD	4
78	0380-0091	* Spacer, Hexagon, int-thread, No. 6-32, 3/4 in. long (Attaching Parts)	28480	0380-0091	4
	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	2
	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	2
	3050-0227	* Washer, Flat, No. 6 --- x ---	00000	OBD	2
79	No Number	* Rectifier Assembly (A8) (see figure 2-38) (Attaching Parts)			1
80	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	4
81	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	4
82	3050-0227	* Washer, Flat, No. 6 --- x ---	00000	OBD	4
83	02100-00143	* Bracket, Mounting (Attaching Parts)	28480	02100-00143	2
	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	2
	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	2
	3050-0227	* Washer, Flat, No. 6 --- x ---	00000	OBD	2
84	9100-2918	* Inductor, 8 μ H (L7) (Attaching Parts)	28480	9100-2918	1
85	2360-0133	* Screw, Machine, ph, No. 4-40, 1-1/4 in.	00000	OBD	1
86	3050-0760	* Plate, Electrical Shield, 1/8 in. ID, 1-1/4 in. OD	28480	3050-0760	2
87	3050-0761	* Insulator, Neoprene, 1/8 in. ID, 1-1/4 in. OD	28480	3050-0761	2
88	2190-0003	* Washer, Lock, split, No. 4	00000	OBD	1
89	2260-0001	* Nut, Plain, Hexagon, No. 4-40 --- x ---	00000	OBD	1
90	9100-2919	* Inductor, 9 μ H (L8) (Attaching Parts)	28480	9100-2919	1

Table 2-21. Power Supply Assembly, Replaceable Parts (Continued)

FIG & INDEX NO.	HP PART NO.	DESCRIPTION	MFR CODE	MFR PART NO.	UNITS PER ASSY
2-21-91	2200-0155	* Screw, Machine, ph, No. 4-40, 1 in.	00000	OBD	1
92	3050-0760	* Plate, Electrical Shield, 1/8 in. ID, 1-1/4 in. OD	28480	3050-0760	2
93	3050-0761	* Insulator, Neoprene, 1/8 in. ID, 1-1/4 in. OD	28480	3050-0761	2
94	2190-0003	* Washer, Lock, split, No. 4	00000	OBD	1
95	2260-0001	* Nut, Plain, Hexagon, No. 4-40 --- x ---	00000	OBD	1
96	02100-20052	* Standoff, ceramic (Attaching Parts)	28480	02100-20052	1
	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	1
	2190-0851	* Washer, Lock, split, No. 6 --- x ---	00000	OBD	1
97	9100-2917	* Inductor, 50 uH (L6) (Attaching Parts)	28480	9100-2917	1
98	2200-0155	* Screw, Machine, flh, No. 4-40, 1 in.	00000	OBD	1
99	3050-0760	* Plate, Electrical Shield, 1/8 in. ID, 1-1/4 in. OD	28480	3050-0760	2
100	3050-0761	* Insulator, Neoprene, 1/8 in. ID, 1-1/4 in. OD	28480	3050-0761	2
101	2190-0003	* Washer, Lock, split, No. 4	00000	OBD	1
102	2260-0001	* Nut, Plain, Hexagon, No. 4-40 --- x ---	00000	OBD	1
103	9100-2917	* Inductor, 50 uH (L5) (Attaching Parts)	28480	9100-2917	1
104	2200-0155	* Screw, Machine, flh, No. 4-40, 1 in.	00000	OBD	1
105	3050-0760	* Plate, Electrical Shield, 1/8 in. ID, 1-1/4 in. OD	28480	3050-0760	2
106	3050-0761	* Insulator, Neoprene, 1/8 in. ID, 1-1/4 in. OD	28480	3050-0761	2
107	2190-0003	* Washer, Lock, split, No. 4	00000	OBD	1
108	2260-0001	* Nut, Plain, Hexagon, No. 4-40 --- x ---	00000	OBD	1
109	02100-00153	* Strap, Bus Bar (Attaching Parts)	28480	02100-00153	1
110	3030-0248	* Setscrew, Socket Head, No. 10-32, 3/4 in.	00000	OBD	1
111	2190-0077	* Washer, Lock, split, No. 10	00000	OBD	3
112	2740-0002	* Nut, Plain, Hexagon, No. 10-32	00000	OBD	1
113	2680-0099	* Screw, Machine, ph, No. 10-32, 3/8 in.	00000	OBD	2
114	2680-0128	* Screw, Machine, ph, No. 10-32, 1/4 in.	00000	OBD	1
115	2190-0074	* Washer, Lock, split, No. 10 --- x ---	00000	OBD	1
116	02100-00149	* Bus Bar (Attaching Parts)	28480	02100-00149	1
117	3030-0248	* Setscrew, Socket Head, No. 10-32, 3/4 in.	00000	OBD	1
118	2190-0077	* Washer, Lock, split, No. 10	00000	OBD	3
119	2740-0002	* Nut, Plain, Hexagon, No. 10-32	00000	OBD	1
120	2680-0099	* Screw, Machine, ph, No. 10-32, 3/8 in.	00000	OBD	3
121	2680-0128	* Screw, Machine, ph, No. 10-32, 1/4 in.	00000	OBD	1
122	2190-0074	* Washer, Lock, split, No. 8 --- x ---	00000	OBD	1
123	02100-00152	* Terminal Strip, Grounding (Attaching Parts)	28480	02100-00152	1
124	2360-0200	* Screw, Machine, flh, No. 6-32, 1/4 in.	00000	OBD	2
125	3050-0249	* Washer, Insulating, shoulder, 3/8 in. OD, 1/8 in. thick	28480	3050-0249	4
126	02100-00151	* Insulator Sheet, electrical	28480	02100-00151	1
127	3050-0227	* Washer, Flat, No. 6	00000	OBD	2
128	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	2
129	2420-0002	* Nut, Plain, Hexagon, No. 6-32 --- x ---	00000	OBD	2
130	2680-0099	* Screw, Machine, ph, No. 10-32, 1/4 in.	00000	OBD	1
131	2190-0077	* Washer, Lock, split, No. 10	00000	OBD	1
132	0180-2412	* Capacitor, Fxd, Elect, 37000 mF, -10 +75%, 5 VDCW (C25)	14659	60D20D373G5R0AF2A	1
133	2740-0002	* Nut, Plain, Hexagon, No. 10-32	00000	OBD	1
134	2190-0077	* Washer, Lock, split, No. 10	00000	OBD	1
135	3030-0248	* Setscrew, Socket Head, No. 10-32, 3/4 in.	00000	OBD	1

Table 2-21. Power Supply Assembly, Replaceable Parts (Continued)

FIG & INDEX NO.	HP PART NO.	DESCRIPTION	MFR CODE	MFR PART NO.	UNITS PER ASSY
2-21-136	0180-2411	* Capacitor, Fxd, Elect, 22000 uF, -10 +75%, 10 VDCW (C24)	14659	602D223G010AF2A	1
137	2680-0099	* Screw, Machine, ph, No. 10-32, 3/8 in.	00000	OBD	1
138	2190-0077	* Washer, Lock, split, No. 10	00000	OBD	1
139	0180-2416	* Capacitor, Fxd, Elect, 9900 uF, -10 +75%, 30 VDCW (C16)	14659	602D992G030AF2A	1
140	3030-0248	* Setscrew, Socket Head, No. 10-32, 3/4 in.	00000	OBD	1
141	2680-0099	* Screw, Machine, ph, No. 10-32, 3/8 in.	00000	OBD	1
142	2190-0077	* Washer, Lock, split, No. 10	00000	OBD	2
143	2740-0002	* Nut, Plain, Hexagon, No. 10-32	00000	OBD	1
144	0180-2410	* Capacitor, Fxd, Elect, 18000 uF, -10 +75%, 15 VDCW (C23, C26)	14659	602D183G015AF2A	2
145	3030-0248	* Setscrew, Socket Head, No. 10-32, 3/4 in.	00000	OBD	1
146	2740-0002	* Nut, Plain, Hexagon, No. 10-32	00000	OBD	1
147	2190-0077	* Washer, Lock, split, No. 10	00000	OBD	1
148	0180-2413	* Capacitor, Fxd, Elect, 7500 uF, -10 +75%, 15 VDCW (C21)	14659	36D752G015AA2A	1
149	3030-0248	* Setscrew, Socket Head, No. 10-32, 3/4 in.	00000	OBD	1
150	2740-0002	* Nut, Plain, Hexagon, No. 10-32	00000	OBD	1
151	2190-0077	* Washer, Lock, split, No. 10	00000	OBD	2
152	2680-0099	* Screw, Machine, ph, No. 10-32, 3/8 in.	00000	OBD	1
153	0180-2414	* Capacitor, Fxd, Elect, 2900 uF, -10 +75%, 40 VDCW (C22)	14659	36D292G040AA2A	1
154	1251-0233	* PC Card Connector, 44 Contact (Attaching Parts)	76530	251-22-30-261	4
	2360-0203	* Screw, Machine, ph, No. 6-32, 1/2 in.	00000	OBD	2
	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	2
	3050-0010	* Washer, Flat, No. 6	00000	OBD	2
		-----x-----			
155	02100-20045	* Mounting Block, PC Connector (Attaching Parts)	28480	02100-20045	2
	2360-0203	* Screw, Machine, ph, No. 6-32, 1/2 in.	00000	OBD	1
	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	1
		-----x-----			
156	02100-00146	* Panel, left side (Attaching Parts)	28480	02100-00146	1
157	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	3
158	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	3
		-----x-----			
159	02100-00145	* Panel, right side (Attaching Parts)	28480	02100-00145	1
160	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	3
161	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	3
		-----x-----			
162	02100-00167	* Pad, foam rubber, 2-3/4 in. long, 2-3/4 in. wide	28480	02100-00167	2
163	02100-00144	* Plate, Mounting	28480	02100-00144	1

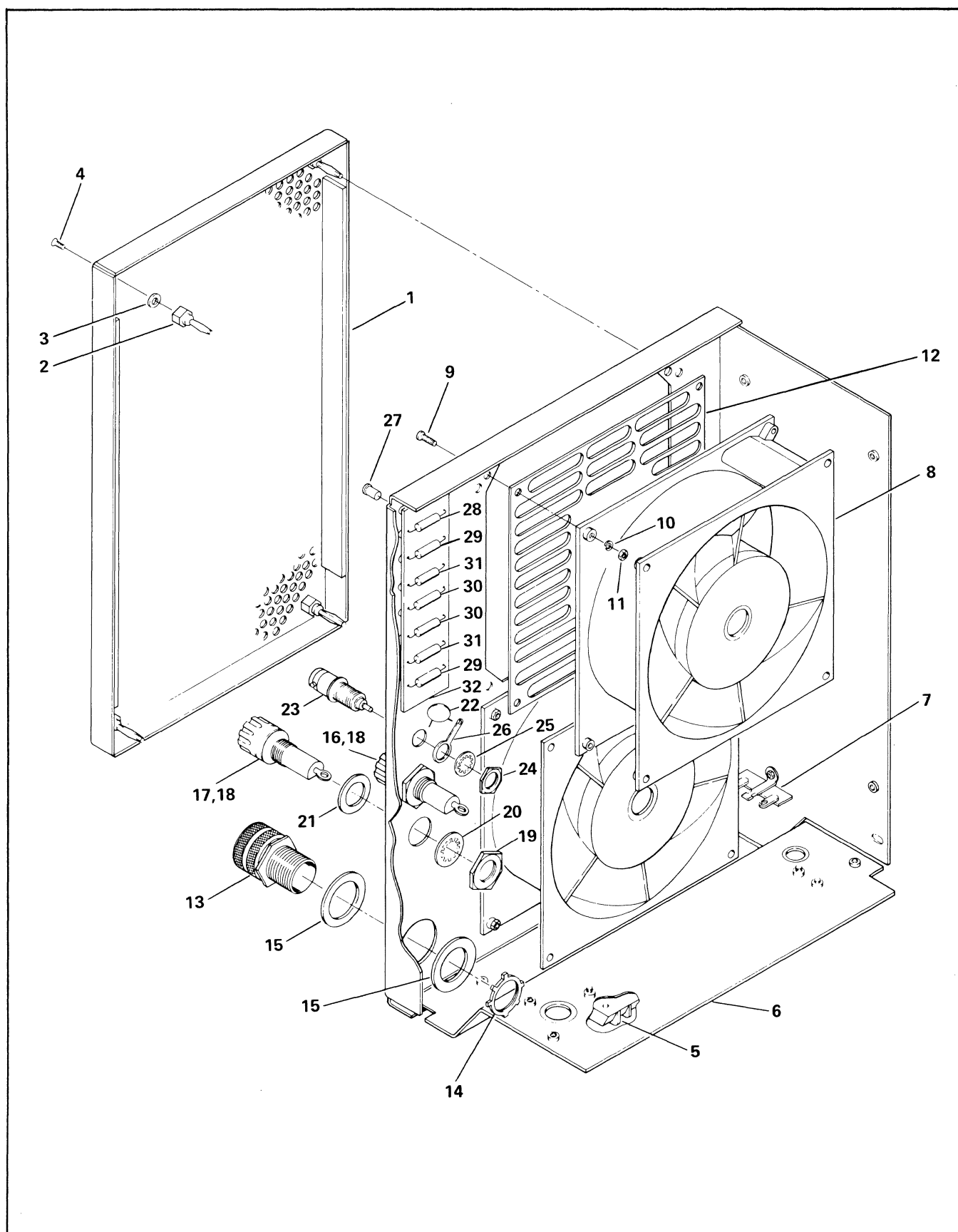


2135-11

Figure 2-21. Power Supply Assembly, Exploded View

Table 2-22. Plenum Chamber Assembly, Replaceable Parts

FIG & INDEX NO.	HP PART NO.	DESCRIPTION	MFR CODE	MFR PART NO.	UNITS PER ASSY
2-22-	No Number	PLENUM CHAMBER ASSEMBLY (A26) (49, figure 2-1)		No Number	1
1	02100-00021	* Filter, rear	28480	02100-00021	1
2	1251-0013	** Fastener, Spring Tension, Trim (Attaching Parts)	78947	152239	4
3	2190-0006	** Washer, Lock, split, No. 6	00000	OBD	1
4	0570-1029	** Stud, threaded, 1/4 in. long ---- x ----	00000	OBD	1
5	0360-1317	* Block, Terminal (Attaching Parts)	76530	354-11-10-001	1
	2360-0203	* Screw, Machine, ph, No. 6-32, 5/8 in.	00000	OBD	2
	2190-0851	* Washer, Lock, Split, No. 6 ---- x ----	00000	OBD	2
6	02100-00124	* Cover, Access, bottom (Attaching Parts)	28480	02100-00124	1
	2360-0192	* Screw, Machine, ph, No. 6-32, 1/4 in. ---- x ----	00000	OBD	2
7	0360-0015	* Strip, Terminal (Attaching Parts)	76530	332-14-03-011	1
	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	1
	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	1
	2420-0002	* Nut, Plain, Hexagon, No. 6-32 ---- x ----	00000	OBD	1
8	3160-0224	* Fan, Tubeaxial (B1, B2) (Attaching Parts)	28480	3160-0224	2
9	2360-0205	* Screw, Machine, ph, No. 6-32, 3/4 in.	00000	OBD	4
10	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	4
11	2420-0002	* Nut, Plain, Hexagon, No. 6-32 ---- x ----	00000	OBD	4
12	5000-8015	* Guard, Fan	28480	5000-8015	2
13	0100-0434	* Collar, Cable, Tension (Attaching Parts)	49367	DB-10	1
14	0100-0433	* Nut, Lock, conduit	22421	141	1
15	0100-0432	* Washer, Reducing, 3/4 in. ID, 1-5/8 in. OD ---- x ----	74201	1365	2
16	2110-0002	* Fuse, 2A, 250V (F1)	75915	312002	1
17	2110-0249	* Fuse, 12A, 250V (F2)	75915	314012	1
18	1400-0084	* Fuseholder (XF1, XF2) (Attaching Parts)	75915	342014	2
19	2950-0038	* Nut, Plain, Hexagon, No. 5-24, 11/16 in. OD	00000	OBD	1
20	2190-0068	* Washer, Lock, int-tooth	00000	OBD	1
21	1400-0090	* Gasket, Neoprene, 5/8 in. OD ---- x ----	00000	OBD	1
22	0150-0096	* Capacitor, Fxd, Cer, 0.05 uF, +80 - 20%, 100 VDCW (C2)	91418	TA	1
23	1250-0118	* Connector, Receptacle (J1) (Attaching Parts)	24931	28JR128-1	1
24	2950-0001	* Nut, Plain, Hexagon, No. 8-32, 3/8 in.	00000	OBD	1
25	2190-0016	* Washer, Lock, int-tooth ---- x ----	00000	OBD	1
26	0360-0024	* Terminal, Lug, 1-5/8 in. long	79963	508-H380	1
	02100-60050	* Test Point Board Assembly (Attaching Parts)	28480	02100-60050	7
27	0360-1149	* Jack, Tip (J2 thru J9) ---- x ----	00866	1600B	
28	0698-0089	** Resistor, Fxd, Met Flm, 1.780 ohms, 1%, 1/2W (R7)	28480	0698-0089	1
29	0757-0818	** Resistor, Fxd, Met Flm, 825 ohms, 1%, 1/2W (R1,R6)	28480	0757-0818	2
30	0757-1000	** Resistor, Fxd, Met Flm, 51.1 ohms, 1%, 1/2W (R3,R4)	28480	0757-1000	2
31	0757-1092	** Resistor, Fxd, Met Flm, 287 ohms, 1%, 1/2W (R2,R5)	28480	0757-1092	2
32	02100-80050	** Printed-Circuit Board	28480	02100-80050	1

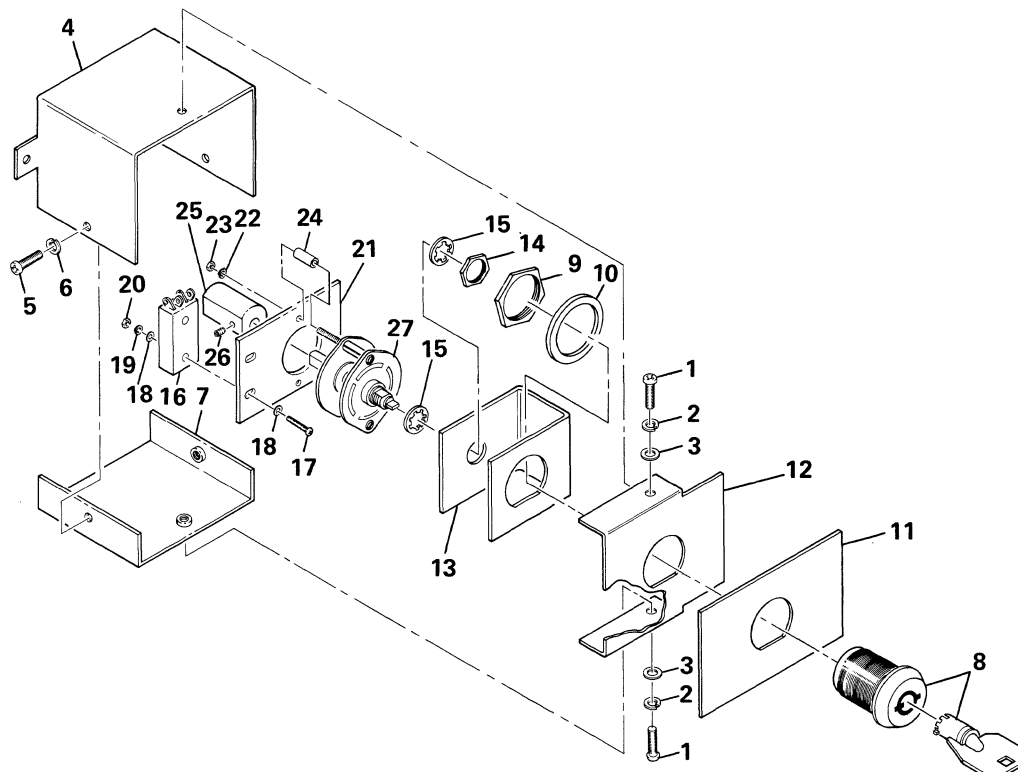


2135-10

Figure 2-22. Plenum Chamber Assembly, Exploded View

Table 2-23. Power Switch Assembly, Replaceable Parts

FIG. & INDEX NO.	HP PART NO.	DESCRIPTION	MFR CODE	MFR PART NO.	UNITS PER ASSY
2-23-	02100-60051	POWER SWITCH ASSEMBLY (75, figure 2-1)	28480	02100-60051	1
1	2360-0193	* Screw, Machine, ph, No. 6-32, 1/4 in.	00000	OBD	2
2	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	2
3	3050-0010	* Washer, Flat, No. 6	00000	OBD	2
4	02100-00086	* Cover, Top (Attaching Parts)	28480	02100-00086	1
5	2360-0193	* Screw, Machine, ph, No. 6-32, 1/4 in.	00000	OBD	2
6	2190-0851	* Washer, Lock, split, No. 6 --- x ---	00000	OBD	2
7	02100-00049	* Cover, bottom (Attaching Parts)	28480	02100-00049	1
8	1390-0224	* Lock and Key (Attaching Parts)	81741	4188	1
9	No Number	* Nut, Plain, Hexagon (furnished with item 8)			1
10	No Number	* Washer, Flat (furnished with item 8) --- x ---			1
11	02100-00044	* Panel, Switch	28480	02100-00044	1
12	02100-00051	* Bracket, Mounting, Lock	28480	02100-00051	1
13	02100-00085	* Bracket, double angle (Attaching Parts)	28480	02100-00085	1
14	2950-0001	* Nut, Plain, Hexagon, 3/8-32	00000	OBD	1
15	2190-0015	* Washer, Lock, int-tooth --- x ---	00000	OBD	2
16	3101-1657	* Microswitch (S1B) (Attaching Parts)	14268	22-102000	1
17	2200-0151	* Screw, Machine, ph, No. 4-40, 3/4 in.	00000	OBD	2
18	3050-0229	* Washer, Flat, No. 4	00000	OBD	4
19	2190-0003	* Washer, Lock, split, No. 4	00000	OBD	2
20	2260-0002	* Nut, Plain, Hexagon, No. 4-40 --- x ---	00000	OBD	2
21	02100-00168	* Plate, Mounting (Attaching Parts)	28480	02100-00168	1
22	2190-0003	* Washer, Lock, split, No. 4	00000	OBD	2
23	2260-0002	* Nut, Plain, Hexagon, No. 4-40 --- x ---	00000	OBD	2
24	0360-0033	* Spacer, Sleeve, 3/32 in. ID, 1/2 in. long	00000	OBD	2
25	02100-20053	* Cam (Attaching Parts)	28480	02100-20053	1
26	3030-0243	* Setscrew, Socket Head, No. 6-32, 5/16 in.	00000	OBD	2
27	3100-3008	* Switch, Rotary (S1A)	76854	3P3P	1



2135-2

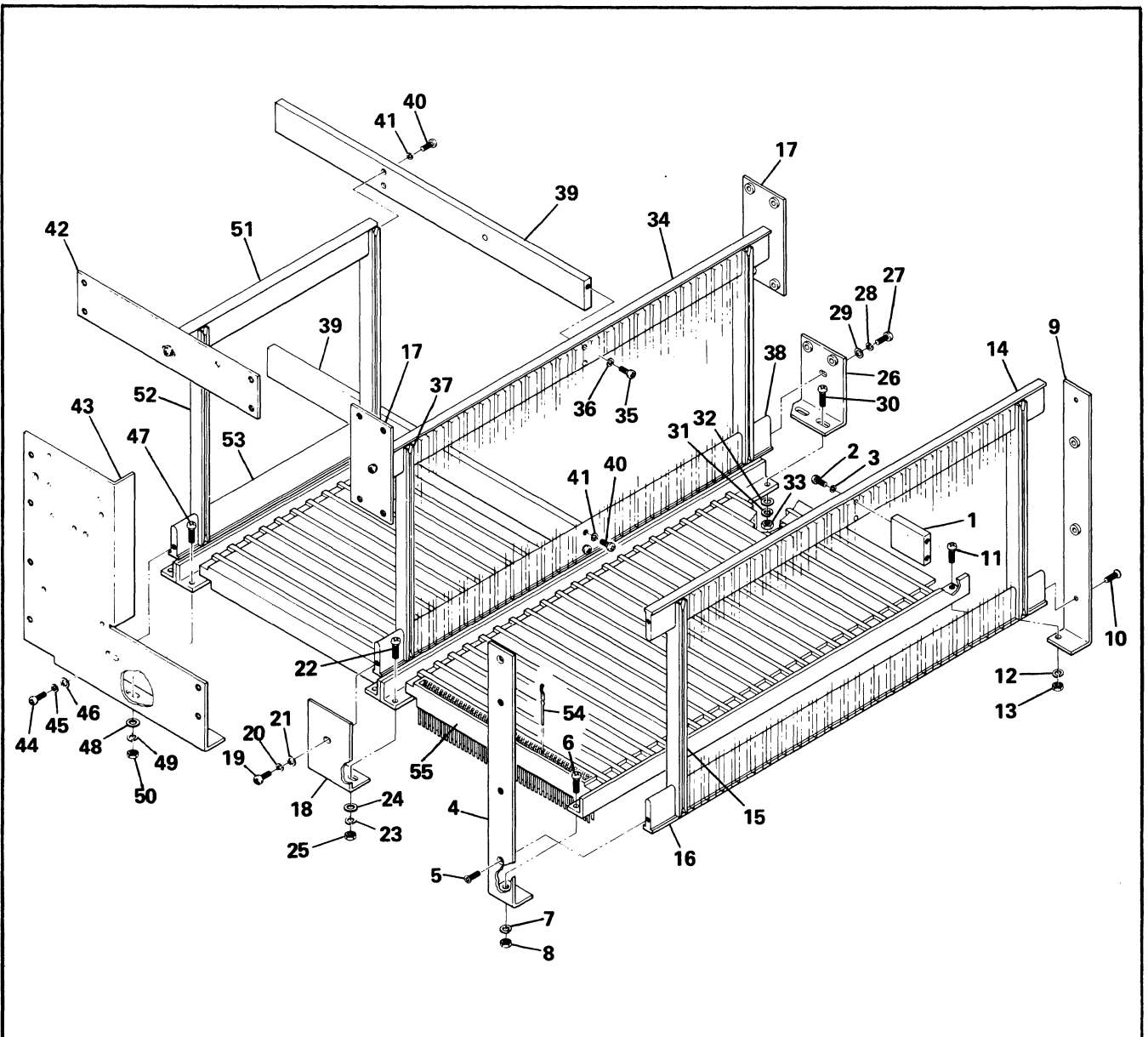
Figure 2-23. Power Switch Assembly, Exploded View

Table 2-24. Card Cage Assembly, Replaceable Parts

FIG & INDEX NO.	HP PART NO.	DESCRIPTION	MFR CODE	MFR PART NO.	UNITS PER ASSY
2-24-	No Number	CARD CAGE ASSEMBLY (78, figure 2-1) (Cannot be ordered as a complete unit)			1
1	02100-20009	* Bar, front panel support (Attaching Parts)	28480	02100-20009	1
2	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	2
3	2190-0851	* Washer, Lock, split, No. 6 --- x ---	00000	OBD	2
4	02100-00005	* Bracket, Angle, Left (Attaching Parts)	28480	02100-00005	1
5	2360-0196	* Screw, Machine, flh, No. 6-32, 3/8 in.	00000	OBD	2
6	2510-0107	* Screw, Machine, ph, No. 8-32, 1/2 in.	00000	OBD	1
7	2190-0076	* Washer, Lock, split, No. 8	00000	OBD	1
8	2580-0004	* Nut, Plain, Hexagon, No. 8-32 --- x ---	00000	OBD	1
9	02100-00006	* Bracket, Angle, Right (Attaching Parts)	28480	02100-00006	1
10	2360-0196	* Screw, Machine, flh, No. 6-32, 3/8 in.	00000	OBD	2
11	2510-0107	* Screw, Machine, ph, No. 8-32, 1/2 in.	00000	OBD	1
12	2190-0076	* Washer, Lock, split, No. 8	00000	OBD	1
13	2580-0004	* Nut, Plain, Hexagon, No. 8-32 --- x ---	00000	OBD	1
14	02100-2003	* Support, Printed-Circuit Card Guide	28480	02100-2003	1
15	5040-6005	* Guide, Printed-Circuit Card	28480	5040-6005	23
16	02100-2003	* Support, Printed-Circuit Card Guide	28480	02100-2003	1
17	02100-00007	* Plate, Mounting (Attaching Parts)	28480	02100-00007	2
	2360-0196	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	1
	2510-0107	* Washer, Lock, split, No. 6	00000	OBD	1
	2580-0003	* Washer, Flat, No. 6 --- x ---	00000	OBD	1
18	02100-00003	* Bracket, Mounting (Attaching Parts)	28480	02100-00003	1
19	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	1
20	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	1
21	3050-0227	* Washer, Flat, No. 6	00000	OBD	1
22	2510-0107	* Screw, Machine, ph, No. 8-32, 1/2 in.	00000	OBD	2
23	2190-0076	* Washer, Lock, split, No. 8	00000	OBD	2
24	3050-0139	* Washer, Flat, No. 8	00000	OBD	2
25	2580-0004	* Nut, Plain, Hexagon, No. 8-32 --- x ---	00000	OBD	2
26	02100-00004	* Bracket, Angle (Attaching Parts)	28480	02100-00004	1
27	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	1
28	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	1
29	3050-0227	* Washer, Flat, No. 6	00000	OBD	1
30	2510-0107	* Screw, Machine, ph, No. 8-32, 1/2 in.	00000	OBD	2
31	2190-0076	* Washer, Lock, split, No. 8	00000	OBD	2
32	3050-0139	* Washer, Flat, No. 8	00000	OBD	2
33	2580-0004	* Nut, Plain, Hexagon, No. 8-32 --- x ---	00000	OBD	2
34	02100-2003	* Support, Printed-Circuit Card Guide (Attaching Parts)	28480	02100-2003	1
35	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	2
36	2190-0851	* Washer, Lock, split, No. 6 --- x ---	00000	OBD	2
37	5040-6005	* Guide, Printed-Circuit Card	28480	5040-6005	23
38	02100-2003	* Support, Printed-Circuit Card Guide (Attaching Parts)	28480	02100-2003	1
	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	2
	2190-0851	* Washer, Lock, split, No. 6 --- x ---	00000	OBD	2

Table 2-24. Card Cage Assembly, Replaceable Parts (Continued)

FIG & INDEX NO.	HP PART NO.	DESCRIPTION	MFR CODE	MFR PART NO.	UNITS PER ASSY
2-24- 39	02100-20004	* Bar, Rear Support (Attaching Parts)	28480	02100-20004	2
40	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	2
41	2190-0851	* Washer, Lock, split, No. 6 --- x ---	00000	OBD	2
42	02100-00009	* Plate, Rear Mounting (Attaching Parts)	28480	02100-00009	1
	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	1
	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	1
	3050-0227	* Washer, Flat, No. 6 --- x ---	00000	OBD	1
43	02100-00010	* Plenum Chamber Side Bracket (Attaching Parts)	28480	02100-00010	1
44	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	1
45	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	1
46	3050-0227	* Washer, Flat, No. 6	00000	OBD	1
47	2510-0107	* Screw, Machine, ph, No. 8-32, 1/2 in.	00000	OBD	2
48	2190-0076	* Washer, Flat, No. 8	00000	OBD	2
49	3050-0139	* Washer, Lock, split, No. 8	00000	OBD	2
50	2580-0004	* Nut, Plain, Hexagon, No. 8-32 --- x ---	00000	OBD	2
51	02100-2003	* Support, Printed-Circuit Card Guide	28480	02100-2003	1
52	02100-6005	* Guide, Printed-Circuit Card	28480	5040-6005	11
53	02100-2003	* Support, Printed-Circuit Card Guide	28480	02100-2003	1
54	No Number	* Connector Pin	00779	67628-2	AR
55	02100-60056	* Backplane Assembly	28480	02100-60056	1



2135-17

Figure 2-24. Card Cage Assembly, Exploded View

Table 2-25. A24 Operator Panel Card, Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A24	02100-60015	1	OPERATOR PANEL CARD ASSY	28480	02100-60015
A24C1	0180-0106	23	C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C4	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C5	0160-2055	26	C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C6	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C7	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C8	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C9	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C10	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C11	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C12	0180-0291	2	C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A24C13	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C14	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C16	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C17	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C18	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C19	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C20	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C21	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C22	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C23	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C24	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A24C25	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C26	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C27	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C28	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C29	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C30	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C32	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C33	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C34	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C36	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C37	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C38	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C39	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C40	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C41	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C42	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C43	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C44	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C45	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C46	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C47	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C48	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C49	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C50	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C51	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C52	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C53	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C54	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C55	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C56	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24CR1	1971-0040	1	DIODE: SILICON 30MA 30V	07263	FDG1988
A24DS1 THRU A24DS38	2140-0364	38	LAMP: INCANDESCENT 0.06A 5.0V	28480	2140-0364
A24Q1	1854-0477	4	TSTR:SI NPN	80131	2N2222A
A24Q2	1854-0477		TSTR:SI NPN	80131	2N2222A
A24Q3	1854-0477		TSTR:SI NPN	80131	2N2222A
A24Q4	1854-0477		TSTR:SI NPN	80131	2N2222A
A24R1	1810-0030	10	NETWORK:7 RESISTORS 1K OHM 5% 0.15W EA	28480	1810-0030
A24R2	1810-0030		NETWORK:7 RESISTORS 1K OHM 5% 0.15W EA	28480	1810-0030
A24R3	0698-7260	1	R:FXD FLN 10K OHM 2% 1/8W	28480	0698-7260
A24R4	0698-7236	5	R:FXD FLN 1K OHM 2% 1/8W	28480	0698-7236
A24R5	0698-7244	2	R:FXD FLN 2.15K OHM 2% 1/8W	28480	0698-7244
A24R6	1810-0030		NETWORK:7 RESISTORS 1K OHM 5% 0.15W EA	28480	1810-0030
A24R7	1810-0030		NETWORK:7 RESISTORS 1K OHM 5% 0.15W EA	28480	1810-0030
A24R8	0757-0416	3	R:FXD FLN 511 OHM 1% 1/8W	28480	0757-0416
A24R9	0757-0280	2	R:FXD FLN 1K OHM 1% 1/8W	28480	0757-0280
A24R10	0757-0442	1	R:FXD FLN 10K OHM 1% 1/8W	28480	0757-0442
A24R11	0698-7244		R:FXD FLN 2.15K OHM 2% 1/8W	28480	0698-7244
A24R12	0698-7236		R:FXD FLN 1K OHM 2% 1/8W	28480	0698-7236
A24R13	0698-7229	2	R:FXD FLN 511 OHM 2% 1/8W	28480	0698-7229
A24R14	0698-7236		R:FXD FLN 1K OHM 2% 1/8W	28480	0698-7236
A24R15	1810-0030		NETWORK:7 RESISTORS 1K OHM 5% 0.15W EA	28480	1810-0030

Table 2-25. A24 Operator Panel Card, Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A24R16	1810-0063	6	RESISTOR PACK:133 OHM 5%	11237	1810-0063
A24R17	1810-0030		NETWORK:7 RESISTORS 1K OHM 5% 0.15W EA	28480	1810-0030
A24R18	1810-0063		RESISTOR PACK:133 OHM 5%	11237	1810-0063
A24R19	1810-0030		NETWORK:7 RESISTORS 1K OHM 5% 0.15W EA	28480	1810-0030
A24R20	1810-0063		RESISTOR PACK:133 OHM 5%	11237	1810-0063
A24R21	1810-0030		NETWORK:7 RESISTORS 1K OHM 5% 0.15W EA	28480	1810-0030
A24R22	1810-0063		RESISTOR PACK:133 OHM 5%	11237	1810-0063
A24R23	1810-0030		NETWORK:7 RESISTORS 1K OHM 5% 0.15W EA	28480	1810-0030
A24R24	1810-0063		RESISTOR PACK:133 OHM 5%	11237	1810-0063
A24R25	1810-0030		NETWORK:7 RESISTORS 1K OHM 5% 0.15W EA	28480	1810-0030
A24R26	1810-0063	1	RESISTOR PACK:133 OHM 5%	11237	1810-0063
A24R27	0757-0416		R:FXD FLM 511 OHM 1% 1/8W	28480	0757-0416
A24R28	0698-7236		R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A24R29	0698-7229		R:FXD FLM 511 OHM 2% 1/8W	28480	0698-7229
A24R30	0698-3441		R:FXD FLM 215 OHM 1% 1/8W	28480	0698-3441
A24R31	0757-0416		R:FXD FLM 511 OHM 1% 1/8W	28480	0757-0416
A24R32	0757-0280		R:FXD FLM 511 OHM 1% 1/8W	28480	0757-0280
A24R33	0698-7236		R:FXD FLM 1K OHM 2% 1/8W	28480	0698-7236
A24S1	3101-1531		SWITCH:REED	28480	3101-1531
THRU A24S38		38			
A24S39	3101-0973	2	SWITCH:SLIDE DPDT 0.5A 125V AC/DC	79727	G126-0018
A24S40	3101-0973		SWITCH:SLIDE DPDT 0.5A 125V AC/DC	79727	G126-0018
A24J1	1820-0141	17	IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A24J2	1820-0485	4	IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A24J3	1820-0371	4	IC:TTL HS TRIPLE 3-INPT NAND GATE	01295	SN74H10N
A24J4	1820-0371	10	IC:TTL HS TRIPLE 3-INPT NAND GATE	01295	SN74H10N
A24J5	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A24J6	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A24J7	1820-0377		IC:TTL HS DUAL 2-WIDE 2-INPT	01295	SN74H50N
A24J8	1820-0385		IC:TTL HS 4 W-3-2-2-3 INPT AND/OR EXP.	01295	SN74H62N
A24J9	1820-0205	13	IC:TTL QUAD 2-INPT OR GATE	28480	1820-0205
A24J10	1820-0370	6	IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A24J11	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A24J12	1820-0485		IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A24J13	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A24J14	1820-0141	10	IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A24J15	1820-0485		IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A24J16	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A24J17	1820-0618		IC:TTL HEX BUFFER/DRIVER W/OPEN COLL.	01295	SN7417N
A24J18	1820-0485		IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A24J19	1820-0451	6	IC:TTL DUAL J-K F/F	04713	MC3062P
A24J20	1820-0451		IC:TTL DUAL J-K F/F	04713	MC3062P
A24J21	1820-0451		IC:TTL DUAL J-K F/F	04713	MC3062P
A24J22	1820-0451		IC:TTL DUAL J-K F/F	04713	MC3062P
A24J23	1820-0449	1	IC:TTL DUAL D F/F	04713	MC3060P
A24J24	1820-0301	5	IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A24J25	1820-0375		IC:TTL HS 8-INPT NAND GATE	01295	SN74H30N
A24J26	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A24J27	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A24J28	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A24J29	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A24J30	1820-0375		IC:TTL HS 8-INPT NAND GATE	01295	SN74H30N
A24J31	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A24J32	1820-0375		IC:TTL HS 8-INPT NAND GATE	01295	SN74H30N
A24J33	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A24J34	1820-0205	4	IC:TTL QUAD 2-INPT OR GATE	28480	1820-0205
A24J35	1820-0424		IC:TTL HS HEX INVERTER	04713	SN74H04N
A24J36	1820-0424		IC:TTL HS HEX INVERTER	04713	SN74H04N
A24J37	1820-0205		IC:TTL QUAD 2-INPT OR GATE	28480	1820-0205
A24J38	1820-0371		IC:TTL HS TRIPLE 3-INPT NAND GATE	01295	SN74H10N
A24J39	1820-0372	2	IC:TTL TRIPLE 3-INPT AND GATE	28480	1820-0372
A24J40	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A24J41	1820-0372		IC:TTL TRIPLE 3-INPT AND GATE	28480	1820-0372
A24J42	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74H00N
A24J43	1820-0371		IC:TTL HS TRIPLE 3-INPT NAND GATE	01295	SN74H10N
A24J44	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A24J45	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A24J46	1820-0424		IC:TTL HS HEX INVERTER	04713	SN74H04N
A24J47	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A24J48	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A24J49	1820-0205	11	IC:TTL QUAD 2-INPT OR GATE	28480	1820-0205
A24J50	1820-0769		IC:DTL QUAD 2-INPUT POWER GATE	28480	1820-0769
A24J51	1820-0769		IC:DTL QUAD 2-INPUT POWER GATE	28480	1820-0769
A24J52	1820-0769		IC:DTL QUAD 2-INPUT POWER GATE	28480	1820-0769
A24J53	1820-0617		IC:TTL QUAD 2-INPT EXCL. NOR GATE	04713	MC3022P

Table 2-25. A24 Operator Panel Card, Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A24U54	1820-0769	1	IC:DTL QUAD 2-INPUT POWER GATE	28480	1820-0769
A24J55	1820-0375		IC:TTL HS 8-INPT NAND GATE	01295	SN74H30N
A24J56	1820-0769		IC:DTL QUAD 2-INPUT POWER GATE	28480	1820-0769
A24J57	1820-0617		IC:TTL QUAD 2-INPT EXCL. NOR GATE	04713	MC3022P
A24U58	1820-0769		IC:DTL QUAD 2-INPUT POWER GATE	28480	1820-0769
A24J59	1820-0617		IC:TTL QUAD 2-INPT EXCL. NOR GATE	04713	MC3022P
A24J60	1820-0769		IC:DTL QUAD 2-INPUT POWER GATE	28480	1820-0769
A24J61	1820-0617		IC:TTL QUAD 2-INPT EXCL. NOR GATE	04713	MC3022P
A24U62	1820-0375		IC:TTL HS 8-INPT NAND GATE	01295	SN74H30N
A24J63	1820-0769		IC:DTL QUAD 2-INPUT POWER GATE	28480	1820-0769
A24J64	1820-0769	1	IC:DTL QUAD 2-INPUT POWER GATE	28480	1820-0769
A24J65	1820-0769		IC:DTL QUAD 2-INPUT POWER GATE	28480	1820-0769
A24U66	1820-0769		IC:DTL QUAD 2-INPUT POWER GATE	28480	1820-0769
A24J67	1820-0140		IC:TTL DUAL 4-INPT AND BUFFER	04713	MC3026P
A24J68	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A24J69	1820-0451		IC:TTL DUAL J-K F/F	04713	MC3062P
A24U70	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A24J71	1820-0205		IC:TTL QUAD 2-INPT OR GATE	28480	1820-0205
A24J72	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A24J73	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A24J74	1820-0141	1	IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A24J75	1820-0205		IC:TTL QUAD 2-INPT OR GATE	28480	1820-0205
A24U76	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A24J77	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A24U78	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A24U79	1820-0205		IC:TTL QUAD 2-INPT OR GATE	28480	1820-0205
A24U80	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A24J81	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A24U82	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A24U83	1820-0205		IC:TTL QUAD 2-INPT OR GATE	28480	1820-0205
A24J84	1820-0186	4	IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A24J85	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A24J86	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A24J87	1820-0424		IC:TTL HS HEX INVERTER	04713	SN74H04N
A24U88	1820-0205		IC:TTL QUAD 2-INPT OR GATE	28480	1820-0205
A24J89	1820-0618		IC:TTL HEX BUFFER/DRIVER W/OPEN COLL.	01295	SN7417N
A24U90	1820-0437		IC:TTL QUAD D F/F	04713	MC4015P
A24J91	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A24U92	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A24J93	1820-0205		IC:TTL QUAD 2-INPT OR GATE	28480	1820-0205
A24U94	1820-0437	4	IC:TTL QUAD D F/F	04713	MC4015P
A24J95	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A24U96	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A24U97	1820-0205		IC:TTL QUAD 2-INPT OR GATE	28480	1820-0205
A24U98	1820-0437		IC:TTL QUAD D F/F	04713	MC4015P
A24J99	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A24U100	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A24J101	1820-0205		IC:TTL QUAD 2-INPT OR GATE	28480	1820-0205
A24U102	1820-0437		IC:TTL QUAD D F/F	04713	MC4015P
A24J103	1820-0301		IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A24U104	1820-0141	2	IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A24J105	1820-0205		IC:TTL QUAD 2-INPT OR GATE	28480	1820-0205
A24U107	1820-0451		IC:TTL DUAL J-K F/F	04713	MC3062P
A24#1	8159-0005		JUMPER WIRE	28480	8159-0005
A24#2	8159-0005		JUMPER WIRE	28480	8159-0005

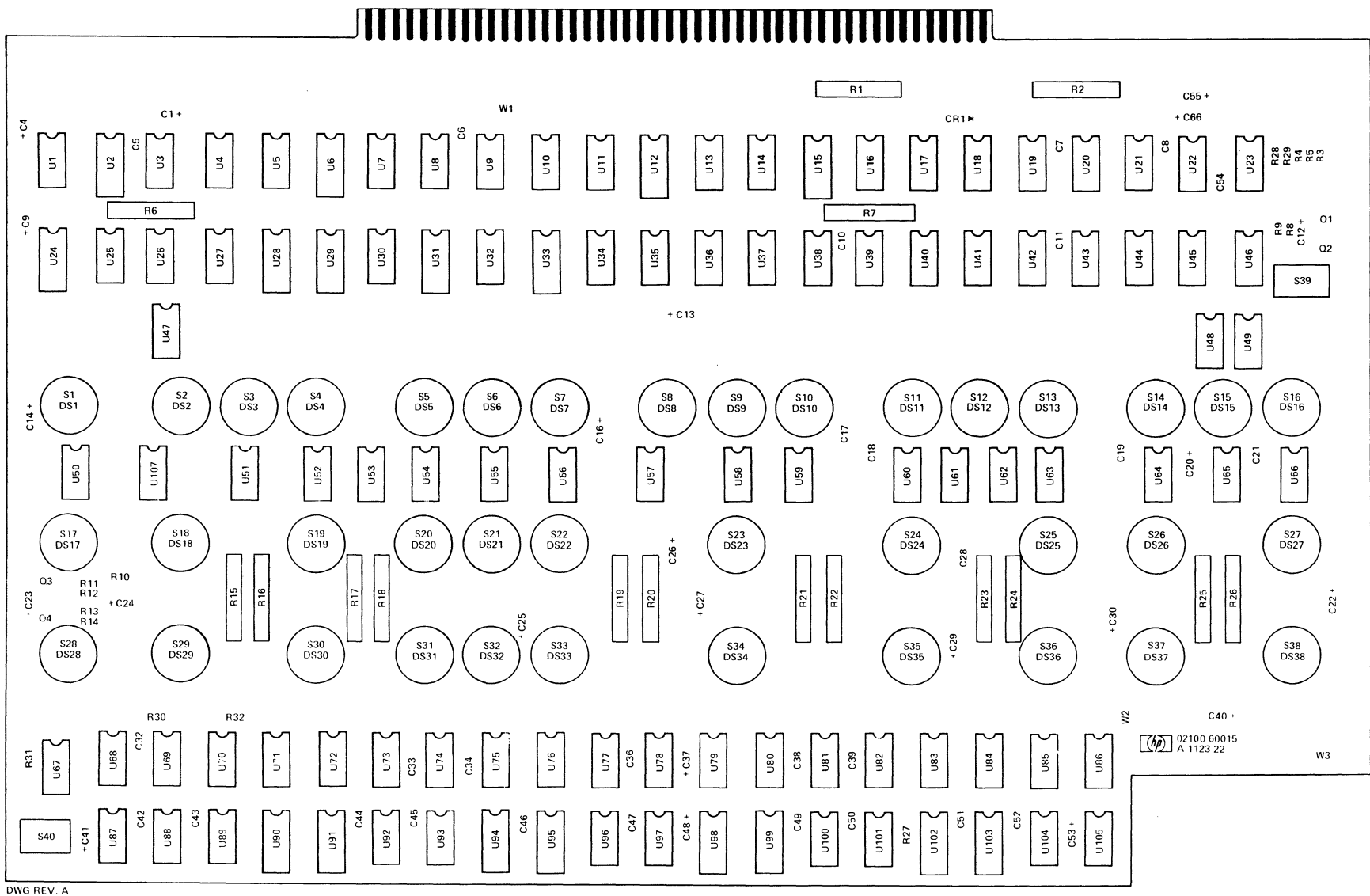


Figure 2-25. Operator Panel Card, Parts Location Diagram

Table 2-26. A24 Controller Panel Card (Option 001), Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A24	C2100-60017	1	CONTROLLER PANEL CARD ASSY	28480	C2100-60017
A24C1	0180-0106	7	C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C2	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C3	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C4	0160-2055	13	C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C5	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C6	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C7	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C8	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C9	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C10	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C11	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C12	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C13	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C14	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C15	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C16	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C17	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C18	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A24C19	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24C20	0180-0197	1	C:FXD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A24C21	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A24DS1	2140-0364	5	LAMP:INCANDESCENT	28480	2140-0364
A24DS2	2140-0364		LAMP:INCANDESCENT	28480	2140-0364
A24DS3	2140-0364		LAMP:INCANDESCENT	28480	2140-0364
A24DS4	2140-0364		LAMP:INCANDESCENT	28480	2140-0364
A24DS5	2140-0364		LAMP:INCANDESCENT	28480	2140-0364
A24Q1	1854-0477	2	TSTR:SI NPN	80131	2N2222A
A24Q2	1854-0477		TSTR:SI NPN	80131	2N2222A
A24R1	0757-0280	2	R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A24R2	0698-0084	1	R:FXD MET FLM 2.15K OHM 1% 1/8W	28480	0698-0084
A24R3	0757-0442	1	R:FXD MET FLM 10.0K OHM 1% 1/8W	28480	0757-0442
A24R4	0757-0416	1	R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A24R5	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A24R6	1810-0030	3	NETWORK:7 RESISTORS 1K OHM 5% 0.15W EA	28480	1810-0030
A24R7	1810-0030		NETWORK:7 RESISTORS 1K OHM 5% 0.15W EA	28480	1810-0030
A24R8	1810-0030		NETWORK:7 RESISTORS 1K OHM 5% 0.15W EA	28480	1810-0030
A24R9	1810-0063	1	RESISTOR PACK:133 OHM 5%	11237	1810-0063
A24S1	3101-1531	5	SWITCH:REED	28480	3101-1531
A24S2	3101-1531		SWITCH:REED	28480	3101-1531
A24S3	3101-1531		SWITCH:REED	28480	3101-1531
A24S4	3101-1531		SWITCH:REED	28480	3101-1531
A24S5	3101-1531		SWITCH:REED	28480	3101-1531
A24J11	1820-0068	1	IC:TTL TRIPLE 3-INPUT POS NAND GATE	01295	SN7410N
A24J12	1820-0301	1	IC:TTL QUAD BI-STABLE D-LATCH	01295	SN7475N
A24J13	1820-0069	1	IC:TTL DUAL 4-INPT POS NAND GATE	01295	SN7420N
A24J19	1820-0451	2	IC:TTL DUAL J-K F/F	04713	MC3062P
A24J21	1820-0424	1	IC:TTL HS HEX INVERTER	04713	SN74HC4N
A24J22	1820-0370	3	IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74HC0N
A24J23	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74HC0N
A24J24	1820-0256	2	IC:DTL QUAD 2-INPUT POWER GATE	04713	MC858P
A24J31	1820-0141	2	IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A24J32	1820-0370		IC:TTL HS QUAD 2-INPT NAND GATE	01295	SN74HC0N
A24J33	1820-0485	2	IC:CTL HEX LEVEL RESTORER	07263	U6A985649X
A24J34	1820-0485		IC:CTL HEX LEVEL RESTORER	07263	U6B981649X
A24J35	1820-0186	7	IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A24J36	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A24J37	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A24J38	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A24J39	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A24J40	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A24J41	1820-0186		IC:CTL DUAL 2-INPT AND GATE	07263	U6A985649X
A24J42	1820-0451		IC:TTL DUAL J-K F/F	04713	MC3062P
A24J43	1820-0141		IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A24J44	1820-0256		IC:DTL QUAD 2-INPUT POWER GATE	04713	MC858P
A24W1	8159-0005	5	JUMPER WIRE	28480	8159-0005
A24W2	8159-0005		JUMPER WIRE	28480	8159-0005
A24W3	8159-0005		JUMPER WIRE	28480	8159-0005
A24W4	8159-0005		JUMPER WIRE	28480	8159-0005
A24W5	8159-0005		JUMPER WIRE	28480	8159-0005

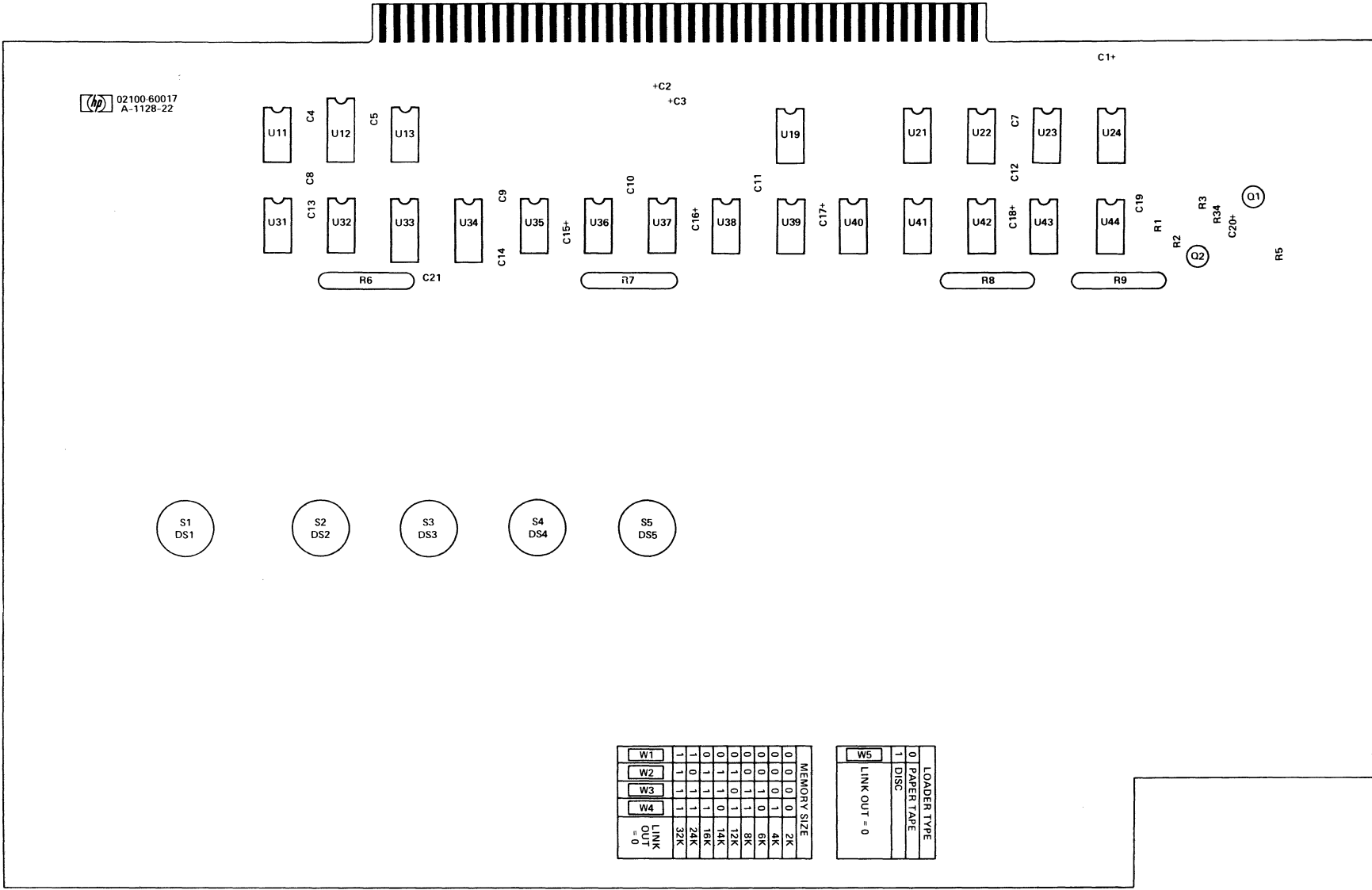
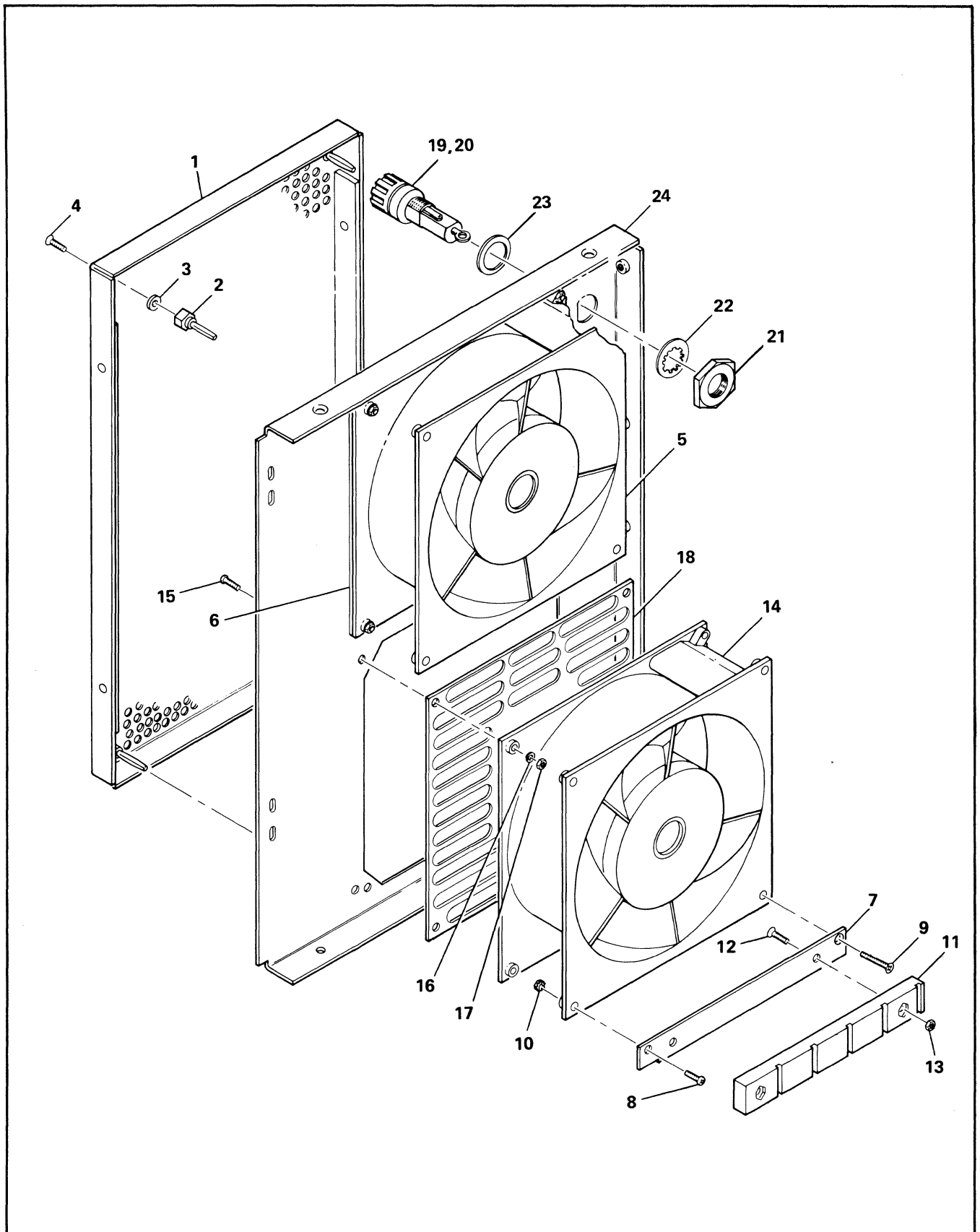


Figure 2-26. Controller Panel Card (Option 001), Parts Location Diagram

Table 2-27. Rear Fan Panel Assembly, Replaceable Parts

FIG & INDEX NO.	HP PART NO.	DESCRIPTION	MFR CODE	MFR PART NO.	UNITS PER ASSY
2-27-	02100-00147	REAR FAN PANEL ASSEMBLY (1, figure 2-21)	28480	02100-00147	1
1	02100-00021	* Filter, rear	28480	02100-00021	1
2	1251-0013	** Fastener, Spring Tension, Trim (Attaching Parts)	78947	152239	4
3	2190-0006	** Washer, Lock, split, No. 6	00000	OBD	1
4	0570-1029	** Stud, threaded, 1/4 in. long --- x ---	00000	OBD	1
5	3160-0224	* Fan, Tubeaxial (B1) (Attaching Parts)	28480	3160-0224	1
	2360-0205	* Screw, Machine, ph, No. 6-32, 3/4 in.	00000	OBD	4
	2190-0006	* Washer, Lock, split, No. 6	00000	OBD	4
	2420-0002	* Nut, Plain, Hexagon, No. 6-32 --- x ---	00000	OBD	4
6	5000-8015	* Guard, Fan	28480	5000-8015	1
7	02100-00154	* Bracket, Printed-Circuit Guide (Attaching Parts)	28480	02100-00154	1
8	2360-0205	* Screw, Machine, ph, No. 6-32, 3/4 in.	00000	OBD	1
9	2360-0204	* Screw, Machine, flh, No. 6-32, 3/4 in.	00000	OBD	1
10	2420-0001	* Nut, Assembled Washer, No. 6-32 --- x ---	00000	OBD	2
11	05210-4001	* Guide, Printed-Circuit (Attaching Parts)	28480	05210-4001	1
12	2360-0196	* Screw, Machine, flh, No. 6-32, 3/8 in.	00000	OBD	2
13	2420-0003	* Nut, Plain, Hexagon, No. 6-32 --- x ---	00000	OBD	2
14	3160-0224	* Fan, Tubeaxial (B2) (Attaching Parts)	28480	3160-0224	1
15	2360-0205	* Screw, Machine, ph, No. 6-32, 3/4 in.	00000	OBD	4
16	2190-0006	* Washer, Lock, split, No. 6	00000	OBD	4
17	2420-0002	* Nut, Plain, Hexagon, No. 6-32 --- x ---	00000	OBD	4
18	5000-8015	* Guard, Fan	28480	5000-8015	1
19	2110-0004	* Fuse, 1/4A, 250V (F5)	75915	3AC/CAT.312.250	1
20	1400-0084	* Fuseholder (XF5) (Attaching Parts)	75915	34204	1
21	2950-0038	* Nut, Plain, Hexagon, No. 5-24, 11/16 in. OD	00000	OBD	1
22	2190-0068	* Washer, Lock, int-tooth	00000	OBD	1
23	1400-0090	* Gasket, Neoprene, 5/8 in. OD --- x ---	00000	OBD	1
24	02100-00147	* Panel, rear fan	28480	02100-00147	1



2135-13

Figure 2-27. Rear Fan Panel Assembly, Exploded View

Table 2-28. Preregulator Control Card, Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A25A1	02100-60046	1	PREREGULATOR CONTROL CARD	28480	02100-60046
A25A1C1	0180-0228	1	C:FXD ELECT 22 UF 10% 15VDCW	56289	150D226X9015B2-DYS
A25A1C2	0180-0097	1	C:FXD TANT 47 UF 10% 35VDCW	56289	150D476X9035S2-DYS
A25A1C3	0170-0040	1	C:FXD MY 0.047 UF 10% 200VDCW	56289	192P47392-PTS
A25A1C4	0160-0162	1	C:FXD MY 0.022 UF 10% 200VDCW	56289	192P22392-PTS
A25A1C5	0160-2055	2	C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A25A1C6	0160-2055	2	C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A25A1C7	0180-0197	4	C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A25A1C8	0180-0291	2	C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A25A1C9	0160-0158	1	C:FXD MY 0.0056 UF 10% 200VDCW	56289	192P56292-PTS
A25A1C10	0150-0096	5	C:FXD CER 0.05 UF +80-20% 100VDCW	91418	TA
A25A1C11	0150-0121	1	C:FXD CER 0.1 UF +80-20% 50VDCW	56289	5C50BIS-CML
A25A1C12	0180-0291	1	C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A25A1C13	0160-0161	1	C:FXD MY 0.01 UF 10% 200VDCW	56289	192P10392-PTS
A25A1C14	0150-0096	1	C:FXD CER 0.05 UF +80-20% 100VDCW	91418	TA
A25A1C15	0150-0096	1	C:FXD CER 0.05 UF +80-20% 100VDCW	91418	TA
A25A1C16	0150-0096	1	C:FXD CER 0.05 UF +80-20% 100VDCW	91418	TA
A25A1C17	0150-0096	1	C:FXD CER 0.05 UF +80-20% 100VDCW	91418	TA
A25A1C18	0180-0100	1	C:FXD ELECT 4.7 UF 10% 35VDCW	56289	150D475X9035B2-DYS
A25A1C19	0180-0161	1	C:FXD ELECT 3.3 UF 20% 35VDCW	56289	150D335X0035B2-DYS
A25A1C20	0160-2940	1	C:FXD MICA 470 PF 5% 300VDCW	72136	RDML5F471J3C
A25A1C21	0180-0197	1	C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A25A1C22	0180-0197	1	C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A25A1C23	0160-0153	3	C:FXD MY 0.001 UF 10% 200VDCW	56289	192P10292-PTS
A25A1C24	0160-0153	3	C:FXD MY 0.001 UF 10% 200VDCW	56289	192P10292-PTS
A25A1C25	0160-0153	1	C:FXD MY 0.001 UF 10% 200VDCW	56289	192P10292-PTS
A25A1C26	0180-0197	1	C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A25A1C27	0180-2415	1	C:FXD AL ELECT 200 UF +75-10% 40VDCW	56289	39D207G040EL4
A25A1CR1	1901-0040	9	DIODE:SILICON 30MA 30WV	07263	FDG1088
A25A1CR2	1901-0040	9	DIODE:SILICON 30MA 30WV	07263	FDG1088
A25A1CR3	1901-0040	4	DIODE:SILICON 30MA 30WV	07263	FDG1088
A25A1CR4	1901-0159	4	DIODE:SILICON 0.75V 400PIV	04713	SR1358-4
A25A1CR5	1901-0040	4	DIODE:SILICON 30MA 30WV	07263	FDG1088
A25A1CR6	1901-0040	4	DIODE:SILICON 30MA 30WV	07263	FDG1088
A25A1CR7	1902-3171	3	DIODE BREAKDOWN:11.0V 5%	28480	1902-3171
A25A1CR8	1901-0040	4	DIODE:SILICON 30MA 30WV	07263	FDG1088
A25A1CR9	1901-0040	4	DIODE:SILICON 30MA 30WV	07263	FDG1088
A25A1CR10	1901-0040	4	DIODE:SILICON 30MA 30WV	07263	FDG1088
A25A1CR11	1901-0040	4	DIODE:SILICON 30MA 30WV	07263	FDG1088
A25A1CR12	1901-0159	2	DIODE:SILICON 0.75A 400PIV	04713	SR1358-4
A25A1CR13	1901-0159	2	DIODE:SILICON 0.75A 400PIV	04713	SR1358-4
A25A1CR14	1902-3171	2	DIODE BREAKDOWN:11.0V 5%	28480	1902-3171
A25A1CR15	1902-3171	2	DIODE BREAKDOWN:11.0V 5%	28480	1902-3171
A25A1CR16	1901-0159	2	DIODE:SILICON 0.75V 400PIV	04713	SR1358-4
A25A1CR17	1901-0159	2	DIODE:SILICON 0.75V 400PIV	04713	SR1358-4
A25A1CR18	1901-0159	2	DIODE:SILICON 0.75V 400PIV	04713	SR1358-4
A25A1L1	9140-0131	1	COIL:FXD RF 10 MH	28480	9140-0131
A25A1Q1	1854-0039	1	TSTR:SI NPN	80131	2N3053
A25A1Q2	1854-0477	8	TSTR:SI NPN	80131	2N2222A
A25A1Q3	1853-0281	5	TSTR:SI PNP	80131	2N2907A
A25A1Q4	1855-0050	1	TSTR:SI FET DUAL	28480	1855-0050
A25A1Q5	1855-0062	1	TSTR:SI FET 30V	01295	2N1595
A25A1Q6	1854-0477	1	TSTR:SI NPN	80131	2N2222A
A25A1Q7	1854-0477	1	TSTR:SI NPN	80131	2N2222A
A25A1Q8	1854-0477	1	TSTR:SI NPN	80131	2N2222A
A25A1Q9	1854-0477	1	TSTR:SI NPN	80131	2N2222A
A25A1Q10	1853-0281	1	TSTR:SI PNP	80131	2N2907A
A25A1Q11	1853-0281	1	TSTR:SI PNP	80131	2N2907A
A25A1Q12	1853-0281	1	TSTR:SI PNP	80131	2N2907A
A25A1Q13	1854-0477	1	TSTR:SI NPN	80131	2N2222A
A25A1Q14	1854-0072	2	TSTR:SI NPN	80131	2N3054
A25A1Q15	1853-0052	1	TSTR:SI PNP	80131	2N374C
A25A1Q16	1854-0477	1	TSTR:SI NPN	80131	2N2222A
A25A1Q17	1853-0281	1	TSTR:SI PNP	80131	2N2907A
A25A1Q18	1854-0072	1	TSTR:SI NPN	80131	2N3054
A25A1Q19	1854-0477	1	TSTR:SI NPN	80131	2N2222A
A25A1R1	0698-3160	3	R:FXD MET FLM 31.6K OHM 1% 1/8W	28480	0698-3160
A25A1R2	0757-0460	1	R:FXD MET FLM 61.9K OHM 1% 1/8W	28480	0757-0460
A25A1R3	0757-0199	5	R:FXD MET FLM 2.15K OHM 1% 1/8W	28480	0757-0199
A25A1R4	0757-0442	8	R:FXD MET FLM 10.0K OHM 1% 1/8W	28480	0757-0442
A25A1R5	0757-0442	1	R:FXD MET FLM 10.0K OHM 1% 1/8W	28480	0757-0442
A25A1R6	0757-0458	1	R:FXD MET FLM 51.1K OHM 1% 1/8W	28480	0757-0458
A25A1R7	0757-0442	1	R:FXD MET FLM 10.0K OHM 1% 1/8W	28480	0757-0442
A25A1R8	0757-0394	2	R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A25A1R9	0757-0401	4	R:FXD MET FLM 100 OHM 1% 1/8W	28480	0757-0401
A25A1R10	0757-0401	1	R:FXD MET FLM 100 OHM 1% 1/8W	28480	0757-0401
A25A1R11	2100-2413	1	R:VAR FLM 200 OHM 10% LIN 1/2W	28480	2100-2413
A25A1R12	0757-0280	2	R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280

Table 2-28. Preregulator Control Card, Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A25A1R13	0757-0394	3	R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A25A1R14	0757-0440		R:FXD MET FLM 7.50K OHM 1% 1/8W	28480	0757-0440
A25A1R15	0757-0442		R:FXD MET FLM 10.0K OHM 1% 1/8W	28480	0757-0442
A25A1R16	0698-3162	2	R:FXD MET FLM 46.4K OHM 1% 1/8W	28480	0698-3162
A25A1R17	0757-0461	1	R:FXD MET FLM 68.1K OHM 1% 1/8W	28480	0757-0461
A25A1R18	0757-0279	2	R:FXD MET FLM 3.16K OHM 1% 1/8W	28480	0757-0279
A25A1R19	0757-0440		R:FXD MET FLM 7.50K OHM 1% 1/8W	28480	0757-0440
A25A1R20	0698-3160		R:FXD MET FLM 31.6K OHM 1% 1/8W	28480	0698-3160
A25A1R21	0757-0439	1	R:FXD MET FLM 6.81K OHM 1% 1/8W	28480	0757-0439
A25A1R22	0698-3410	1	R:FXD MET FLM 3.16K OHM 1% 1/2W	28480	0698-3410
A25A1R23	0757-0199	2	R:FXD MET FLM 21.5K OHM 1% 1/8W	28480	0757-0199
A25A1R24	0757-0438		R:FXD MET FLM 5.11K OHM 1% 1/8W	28480	0757-0438
A25A1R25	0757-0440		R:FXD MET FLM 7.50K OHM 1% 1/8W	28480	0757-0440
A25A1R26	0757-0465	1	R:FXD MET FLM 100K OHM 1% 1/8W	28480	0757-0465
A25A1R27	0757-0442		R:FXD MET FLM 10.0K OHM 1% 1/8W	28480	0757-0442
A25A1R28	0698-3441	1	R:FXD MET FLM 215 OHM 1% 1/8W	28480	0698-3441
A25A1R29	0757-1094	1	R:FXD MET FLM 1.47K 1% 1/8W	28480	0757-1094
A25A1R30	0698-3162	2	R:FXD MET FLM 46.4K OHM 1% 1/8W	28480	0698-3162
A25A1R31	0698-3160		R:FXD MET FLM 31.6K OHM 1% 1/8W	28480	0698-3160
A25A1R32	0757-0438		R:FXD MET FLM 5.11K OHM 1% 1/8W	28480	0757-0438
A25A1R33	0698-3159	2	R:FXD MET FLM 26.1K OHM 1% 1/8W	28480	0698-3159
A25A1R34	0757-0401		R:FXD MET FLM 100 OHM 1% 1/8W	28480	0757-0401
A25A1R35	0757-0401		R:FXD MET FLM 100 OHM 1% 1/8W	28480	0757-0401
A25A1R36	2100-2521	1	R:VAR FLM 2000 OHM 10% LIN 1/2W	28480	2100-2521
A25A1R37	0757-0290	1	R:FXD MET FLM 6.19K OHM 1% 1/8W	28480	0757-0290
A25A1R38	0757-0199		R:FXD MET FLM 2.15K OHM 1% 1/8W	28480	0757-0199
A25A1R39	0698-3454	1	R:FXD MET FLM 215K OHM 1% 1/8W	28480	0698-3454
A25A1R40	0698-3156	1	R:FXD MET FLM 14.7K OHM 1% 1/8W	28480	0698-3156
A25A1R41	0757-0442		R:FXD MET FLM 10.0K OHM 1% 1/8W	28480	0757-0442
A25A1R42	0698-3159	6	R:FXD MET FLM 26.1K OHM 1% 1/8W	28480	0698-3159
A25A1R43	0698-3155		R:FXD MET FLM 4.64K OHM 1% 1/8W	28480	0698-3155
A25A1R44	0683-0275	3	R:FXD COMP 2.7 OHM 5% 1/4W	01121	CB 27G5
A25A1R45	0757-0279	1	R:FXD MET FLM 3.16K OHM 1% 1/8W	28480	0757-0279
A25A1R46	0757-0288		R:FXD MET FLM 9.09K OHM 1% 1/8W	28480	0757-0288
A25A1R47	0757-0199		R:FXD MET FLM 21.5K OHM 1% 1/8W	28480	0757-0199
A25A1R48	0683-0275		R:FXD COMP 2.7 OHM 5% 1/4W	01121	CB 27G5
A25A1R49	0757-0442		R:FXD MET FLM 10.0K OHM 1% 1/8W	28480	0757-0442
A25A1R50	0757-0442		R:FXD MET FLM 10.0K OHM 1% 1/8W	28480	0757-0442
A25A1R51	0757-0199		R:FXD MET FLM 21.5K OHM 1% 1/8W	28480	0757-0199
A25A1R52	0698-3155		R:FXD MET FLM 4.64K OHM 1% 1/8W	28480	0698-3155
A25A1R53	0698-3155		R:FXD MET FLM 4.64K OHM 1% 1/8W	28480	0698-3155
A25A1R54	0698-3155		R:FXD MET FLM 4.64K OHM 1% 1/8W	28480	0698-3155
A25A1R55	0757-0459	1	R:FXD MET FLM 56.2K OHM 1% 1/8W	28480	0757-0459
A25A1R56	0698-3155		R:FXD MET FLM 4.64K OHM 1% 1/8W	28480	0698-3155
A25A1R57	0698-3155		R:FXD MET FLM 4.64K OHM 1% 1/8W	28480	0698-3155
A25A1R58	0683-0275		R:FXD COMP 2.7 OHM 5% 1/4W	01121	CB 27G5
A25A1R59	0757-0280	1	R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A25A1J1	1826-0070		IC:LINEAR OPER. AMPL.	07263	U6A7741393
A25A1J2	1826-0049		IC:VOLTAGE REGULATOR PROGRAMMABLE	07263	U6A7723393
A25A1J3	1826-0069	2	IC:LINEAR OPER. AMPL.	12040	LM301AD
A25A1J4	1826-0069		IC:LINEAR OPER. AMPL.	12040	LM301AD

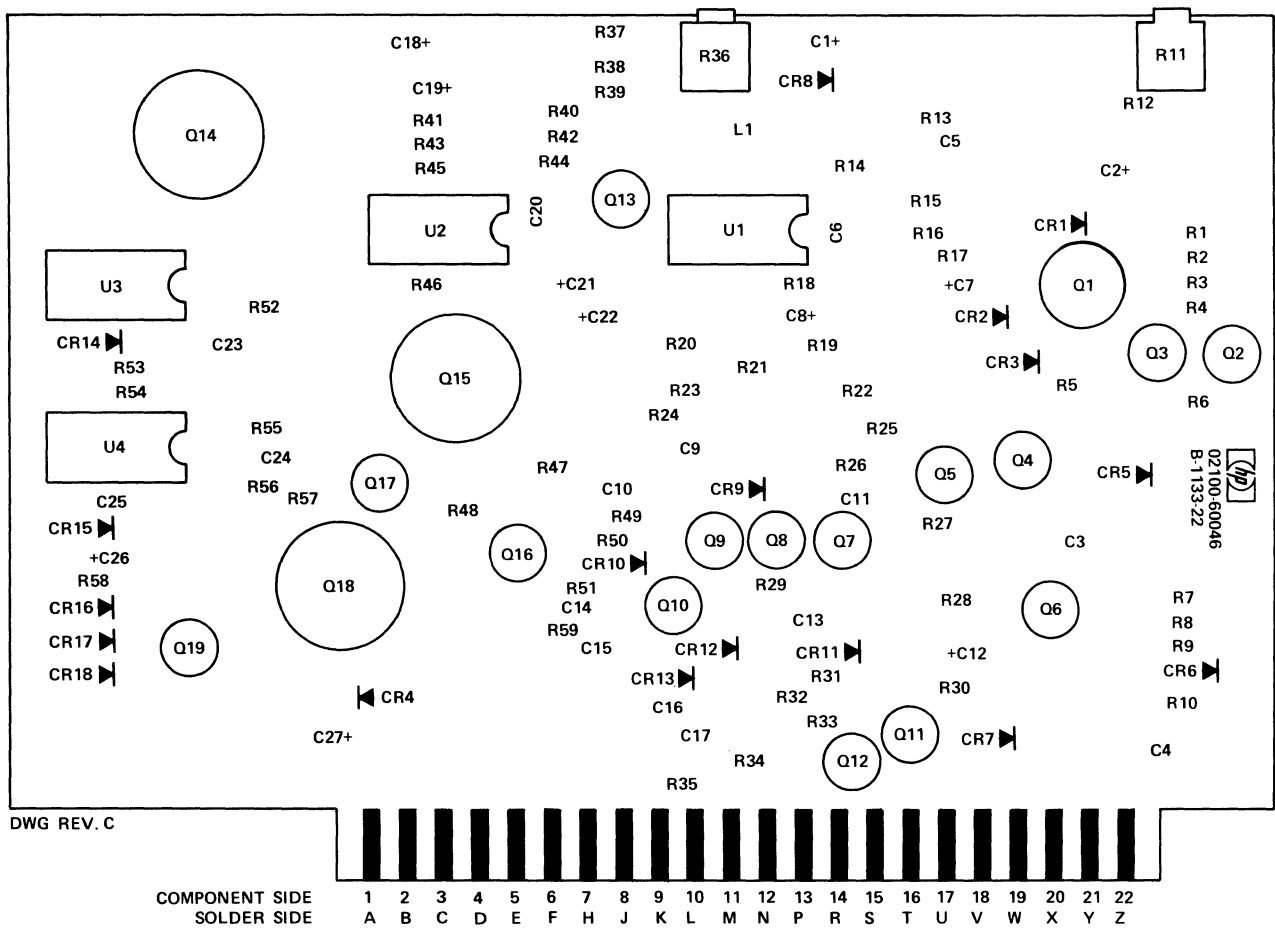


Figure 2-28. Preregulator Control Card, Parts Location Diagram

Table 2-29. Inverter Driver Card, Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A25A2	02100-60058	1	INVERTER DRIVER CARD	28480	02100-60058
A25A2C1	0180-1746	4	C:FXD ELECT 15 UF 10% 20VDCW	28480	0180-1746
A25A2C2	0180-1746		C:FXD ELECT 15 UF 10% 20VDCW	28480	0180-1746
A25A2C3	0180-1746		C:FXD ELECT 15 UF 10% 20VDCW	28480	0180-1746
A25A2C4	0180-1746		C:FXD ELECT 15 UF 10% 20VDCW	28480	0180-1746
A25A2C5	0180-0141	2	C:FXD ELECT 50 UF +75-10% 50VDCW	56289	30D506G050DD2-DSM
A25A2C6	0180-0141		C:FXD ELECT 50 UF +75-10% 50VDCW	56289	30D506G050DD2-DSM
A25A2C7	0160-2055	1	C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A25A2C8	0160-0298	1	C:FXD MY 0.0015 UF 10% 200VDCW	56289	192P15292-PTS
A25A2C9	0160-0194	5	C:FXD MY 0.015 UF 10%	56289	192P15392-PTS
A25A2C10	0160-0194		C:FXD MY 0.015 UF 10%	56289	192P15392-PTS
A25A2C11	0160-0194		C:FXD MY 0.015 UF 10%	56289	192P15392-PTS
A25A2C12	0160-0194		C:FXD MY 0.015 UF 10%	56289	192P15392-PTS
A25A2C13	0180-0291	1	C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A25A2C14	0160-0134	1	C:FXD MICA 220 PF 5% 300VDCW	14655	ROM15F221J3C
A25A2C15	0160-0194		C:FXD MY 0.015 UF 10%	56289	192P15392-PTS
A25A2CR1	1901-1065	4	DIODE:1N4936	28480	1901-1065
A25A2CR2	1901-1065		DIODE:1N4936	28480	1901-1065
A25A2CR3	1901-1065		DIODE:1N4936	28480	1901-1065
A25A2CR4	1901-1065		DIODE:1N4936	28480	1901-1065
A25A2CR5	1901-0050	5	DIODE:SI 200 MA AT 1V	07263	FDA 6308
A25A2CR6	1901-0050		DIODE:SI 200 MA AT 1V	07263	FDA 6308
A25A2CR7	1901-0050		DIODE:SI 200 MA AT 1V	07263	FDA 6308
A25A2CR8	1902-3149	1	DIODE BREAKDOWN:9.09V 5%	28480	1902-3149
A25A2CR9	1901-0050		DIODE:SI 200 MA AT 1V	07263	FDA 6308
A25A2CR10	1901-0050	1	DIODE:SI 200 MA AT 1V	07263	FDA 6308
A25A2CR11	1901-0159		DIODE:SI 0.75V 400PIV	04713	SR1358-4
A25A2E1	0360-0294	1	TERMINAL:SOLDER POINT	28480	0360-0294
A25A2L1	9140-0098	1	COIL/CHOKE 2.20 UH 10%	99800	1537-20
A25A2L2	9140-0210	1	COIL/CHOKE 100 UH 5%	82142	15-1315-12J
A25A2L3	9140-0131	1	COIL:FXD RF 10 MH	28480	9140-0131
A25A2Q1	1854-0039	9	TSTR:SI NPN	80131	2N3053
A25A2Q2	1854-0039		TSTR:SI NPN	80131	2N3053
A25A2Q3	1854-0039		TSTR:SI NPN	80131	2N3053
A25A2Q4	1854-0039		TSTR:SI NPN	80131	2N3053
A25A2Q5	1854-0039		TSTR:SI NPN	80131	2N3053
A25A2Q6	1854-0039		TSTR:SI NPN	80131	2N3053
A25A2Q7	1854-0039		TSTR:SI NPN	80131	2N3053
A25A2Q8	1854-0039		TSTR:SI NPN	80131	2N3053
A25A2Q9	1854-0477	4	TSTR:SI NPN	80131	2N2222A
A25A2Q10	1854-0477		TSTR:SI NPN	80131	2N2222A
A25A2Q11	1854-0477		TSTR:SI NPN	80131	2N2222A
A25A2Q12	1854-0039		TSTR:SI NPN	80131	2N3053
A25A2Q13	1853-0281	2	TSTR:SI PNP	80131	2N2907A
A25A2Q14	1853-0281		TSTR:SI PNP	80131	2N2907A
A25A2Q15	1854-0477		TSTR:SI NPN	80131	2N2222A
A25A2Q16	1853-0052	1	TSTR:SI PNP	80131	2N3740
A25A2R1	0698-3402	8	R:FXD MET FLM 316 OHM 1% 1/2W	28480	0698-3402
A25A2R2	0698-3402		R:FXD MET FLM 316 OHM 1% 1/2W	28480	0698-3402
A25A2R3	0698-3438	5	R:FXD MET FLM 147 OHM 1% 1/8W	28480	0698-3438
A25A2R4	0698-3402		R:FXD MET FLM 316 OHM 1% 1/2W	28480	0698-3402
A25A2R5	0698-3402		R:FXD MET FLM 316 OHM 1% 1/2W	28480	0698-3402
A25A2R6	0698-3438		R:FXD MET FLM 147 OHM 1% 1/8W	28480	0698-3438
A25A2R7	0698-3402		R:FXD MET FLM 316 OHM 1% 1/2W	28480	0698-3402
A25A2R8	0698-3402		R:FXD MET FLM 316 OHM 1% 1/2W	28480	0698-3402
A25A2R9	0698-3438		R:FXD MET FLM 147 OHM 1% 1/8W	28480	0698-3438
A25A2R10	0698-3402		R:FXD MET FLM 316 OHM 1% 1/2W	28480	0698-3402
A25A2R11	0698-3402		R:FXD MET FLM 316 OHM 1% 1/2W	28480	0698-3402
A25A2R12	0698-3438		R:FXD MET FLM 147 OHM 1% 1/8W	28480	0698-3438
A25A2R13	0757-0401	2	R:FXD MET FLM 100 OHM 1% 1/8W	28480	0757-0401
A25A2R14	0698-0084	3	R:FXD MET FLM 2.15K OHM 1% 1/8W	28480	0698-0084
A25A2R15	0757-0442	7	R:FXD MET FLM 10.0K OHM 1% 1/8W	28480	0757-0442
A25A2R16	0757-0465	2	R:FXD MET FLM 100K OHM 1% 1/8W	28480	0757-0465
A25A2R17	0757-0280	1	R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A25A2R18	0698-3155	4	R:FXD MET FLM 4.64K OHM 1% 1/8W	28480	0698-3155
A25A2R19	0698-3155		R:FXD MET FLM 4.64K OHM 1% 1/8W	28480	0698-3155
A25A2R20	0698-0084		R:FXD MET FLM 2.15K OHM 1% 1/8W	28480	0698-0084
A25A2R21	0757-0442		R:FXD MET FLM 10.0K OHM 1% 1/8W	28480	0757-0442
A25A2R22	0757-0442		R:FXD MET FLM 10.0K OHM 1% 1/8W	28480	0757-0442
A25A2R23	0698-3449	1	R:FXD MET FLM 28.7K OHM 1% 1/8W	28480	0698-3449
A25A2R24	0698-0082	1	R:FXD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A25A2R25	0698-3180	2	R:FXD MET OK 68 OHM 2% 2W	28480	0698-3180
A25A2R26	0698-3180		R:FXD MET OK 68 OHM 2% 2W	28480	0698-3180
A25A2R27	0811-1668	1	R:FXD WW 1.5 OHM 5% 2W	28480	0811-1668
A25A2R28	0757-0442		R:FXD MET FLM 10.0K OHM 1% 1/8W	28480	0757-0442
A25A2R29	0698-7398	2	R:FXD FLM 6.124K OHM 0.1% 1/8W	28480	0698-7398
A25A2R30	0698-4037	1	R:FXD MET FLM 46.4 OHM 1% 1/8W	28480	0698-4037

Table 2-29. Inverter Driver Card, Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A25A2R31	0698-7398		R:FXD FLM 6.124K OHM 0.1% 1/8W	28480	0698-7398
A25A2R32	0757-0442		R:FXD MET FLM 10.0K OHM 1% 1/8W	28480	0757-0442
A25A2R33	0698-3445	1	R:FXD MET FLM 348 OHM 1% 1/8W	28480	0698-3445
A25A2R34	0698-3155		R:FXD MET FLM 4.64K OHM 1% 1/8W	28480	0698-3155
A25A2R35	2100-2521	1	R:VAR FLM 2000 OHM 10% LIN 1/2W	28480	2100-2521
A25A2R36	0757-0200	1	R:FXD MET FLM 5.62K OHM 1% 1/8W	28480	0757-0200
A25A2R37	0698-3160	1	R:FXD MET FLM 31.6K OHM 1% 1/8W	28480	0698-3160
A25A2R38	0757-0401		R:FXD MET FLM 100 OHM 1% 1/8W	28480	0757-0401
A25A2R39	0757-0442		R:FXD MET FLM 10.0K OHM 1% 1/8W	28480	0757-0442
A25A2R40	0698-3155		R:FXD MET FLM 4.64K OHM 1% 1/8W	28480	0698-3155
A25A2R41	0757-0465		R:FXD MET FLM 100K OHM 1% 1/8W	28480	0757-0465
A25A2R42	0757-0274	1	R:FXD MET FLM 1.21K OHM 1% 1/8W	28480	0757-0274
A25A2R43	0698-0084		R:FXD MET FLM 2.15K OHM 1% 1/8W	28480	0698-0084
A25A2R44	0757-0442		R:FXD MET FLM 10.0K OHM 1% 1/8W	28480	0757-0442
A25A2R45	0757-1078	1	R:FXD MET FLM 1.47K OHM 1% 1/2W	28480	0757-1078
A25A2R46	0698-3452	1	R:FXD MET FLM 147K OHM 1% 1/8W	28480	0698-3452
A25A2R47	0698-3438		R:FXD MET FLM 147 OHM 1% 1/8W	28480	0698-3438
A25A2U1	1820-0256	1	IC:DTL QUAD 2-INPUT POWER GATE	04713	MC858P
A25A2U2	1820-0054	1	IC:TTL QUAD 2-INPT NAND GATE	01295	SN7400N
A25A2U3	1820-0141	1	IC:TTL QUAD 2-INPT AND GATE	04713	MC3001P
A25A2U4	1820-0449	1	IC:TTL DUAL D F/F	04713	MC3060P
A25A2U5	1826-0070	3	IC:LINEAR OPER. AMPL.	07263	U6A7741393
A25A2U6	1826-0070		IC:LINEAR OPER. AMPL.	07263	U6A7741393
A25A2U7	1826-0070		IC:LINEAR OPER. AMPL.	07263	U6A7741393
A25A2U8	1826-0069	2	IC:LINEAR OPER. AMPL.	12040	LM301AD
A25A2U9	1826-0069		IC:LINEAR OPER. AMPL.	12040	LM301AD

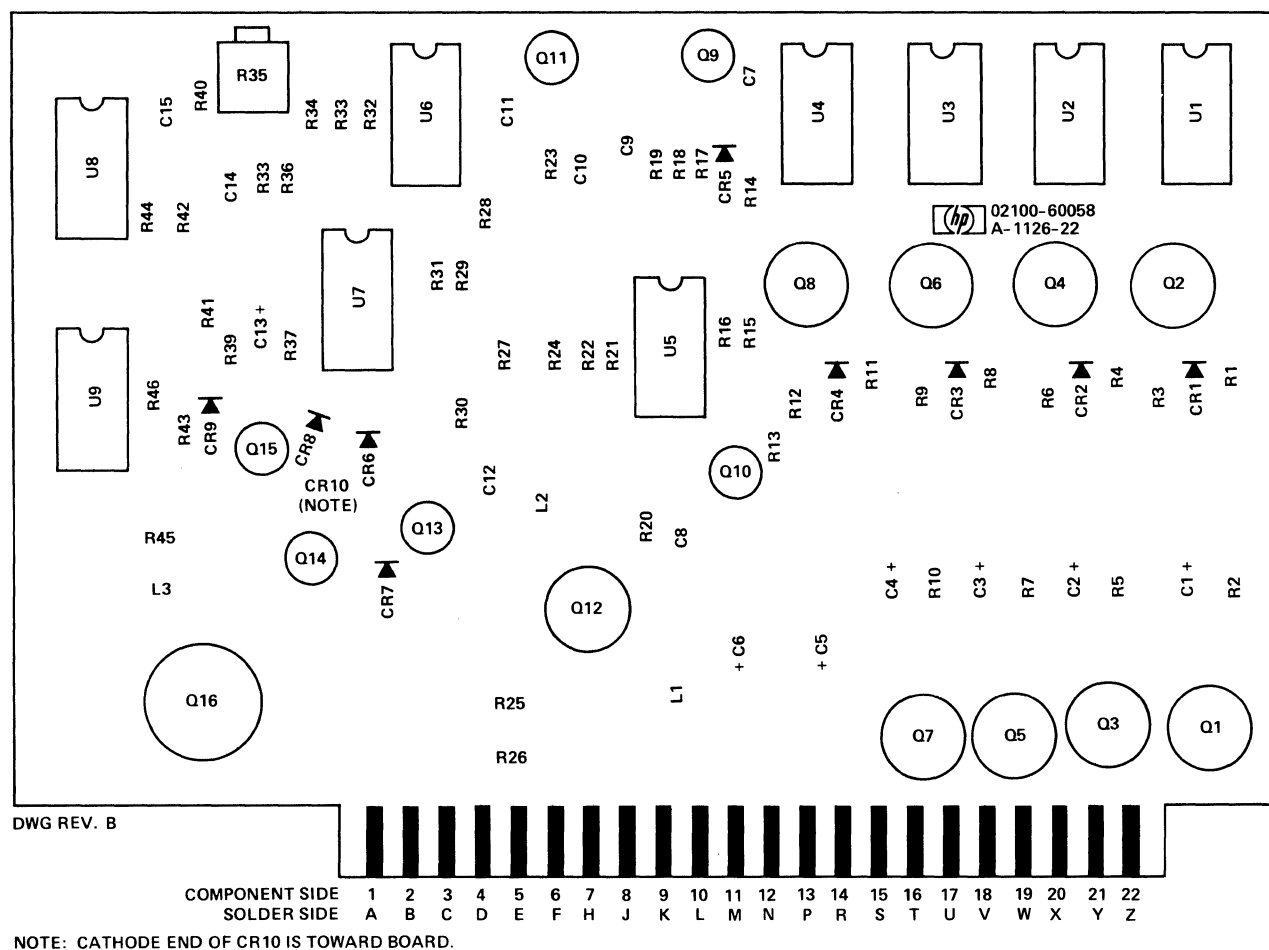


Figure 2-29. Inverter Driver Card, Parts Location Diagram

Table 2-30. Protection and Control Card, Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A25A3	02100-60047	1	PROTECTION AND CONTROL CARD	28480	02100-60047
A25A3C1	0150-0050	12	C:FXD CER 1000 PF +80-20% 1000VDCW	56289	C0678102E102ZS26-CDH
A25A3C2	0160-2143	3	C:FXD CER 2000 PF +80-20% 1000VDCW	91418	TYPE B
A25A3C3	0170-0040	1	C:FXD MY 0.047 UF 10% 200VDCW	56289	192P47392-PTS
A25A3C4	0160-2143		C:FXD CER 2000 PF +80-20% 1000VDCW	91418	TYPE B
A25A3C5	0180-1746	3	C:FXD ELECT 15 UF 10% 20VDCW	28480	0180-1746
A25A3C6	0150-0050		C:FXD CER 1000 PF +80-20% 1000VDCW	56289	C0678102E102ZS26-CDH
A25A3C7	0150-0050		C:FXD CER 1000 PF +80-20% 1000VDCW	56289	C0678102E102ZS26-CDH
A25A3C8	0180-1746		C:FXD ELECT 15 UF 10% 20VDCW	28480	0180-1746
A25A3C9	0180-0376	1	C:FXD ELECT 0.47 UF 10% 35VDCW	56289	150D474X9035A2-DYS
A25A3C10	0160-2143		C:FXD CER 2000 PF +80-20% 1000VDCW	91418	TYPE B
A25A3C11	0160-2055	3	C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A25A3C12	0180-1746		C:FXD ELECT 15 UF 10% 20VDCW	28480	0180-1746
A25A3C13	0180-0097	1	C:FXD TANT. 47 UF 10% 35VDCW	56289	150D474X9035S2-DYS
A25A3C14	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A25A3C15	0180-0098	1	C:FXD ELECT 100 UF 20% 20VDCW	56289	150D107X0020S2-DYS
A25A3C16	0150-0050		C:FXD CER 1000 PF +80-20% 1000VDCW	56289	C0678102E102ZS26-CDH
A25A3C17	0180-0228	1	C:FXD ELECT 22 UF 10% 15VDCW	56289	150D226X9015B2-DYS
A25A3C18	0150-0050		C:FXD CER 1000 PF +80-20% 1000VDCW	56289	C0678102E102ZS26-CDH
A25A3C19	0150-0050		C:FXD CER 1000 PF +80-20% 1000VDCW	56289	C0678102E102ZS26-CDH
A25A3C20	0180-0291	1	C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A25A3C21	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A25A3C22	0150-0050		C:FXD CER 1000 PF +80-20% 1000VDCW	56289	C0678102E102ZS26-CDH
A25A3C23	0150-0050		C:FXD CER 1000 PF +80-20% 1000VDCW	56289	C0678102E102ZS26-CDH
A25A3C24	0150-0050		C:FXD CER 1000 PF +80-20% 1000VDCW	56289	C0678102E102ZS26-CDH
A25A3C25	0160-0174	1	C:FXD CER 0.47 UF +80-20% 25VDCW	56289	5C1187S-CML
A25A3C26	0150-0050		C:FXD CER 1000 PF +80-20% 1000VDCW	56289	C0678102E102ZS26-CDH
A25A3C27	0150-0050		C:FXD CER 1000 PF +80-20% 1000VDCW	56289	C0678102E102ZS26-CDH
A25A3C28	0150-0050		C:FXD CER 1000 PF +80-20% 1000VDCW	56289	C0678102E102ZS26-CDH
A25A3CR1	1901-0033	26	DIODE:SILICON 100MA 180WV	07263	F03369
A25A3CR2	1902-3245	1	DIODE BREAKDOWN:SILICON 21.5V 5%	28480	1902-3245
A25A3CR3	1901-0033		DIODE:SILICON 100MA 180WV	07263	F03369
A25A3CR4	1902-0041	1	DIODE:BREAKDOWN 5.11V 5%	04713	SZ10939-98
A25A3CR5	1901-0033		DIODE:SILICON 100MA 180WV	07263	F03369
A25A3CR6	1901-0033		DIODE:SILICON 100MA 180WV	07263	F03369
A25A3CR7	1901-0033		DIODE:SILICON 100MA 180WV	07263	F03369
A25A3CR8	1901-0033		DIODE:SILICON 100MA 180WV	07263	F03369
A25A3CR9	1901-0033		DIODE:SILICON 100MA 180WV	07263	F03369
A25A3CR10	1902-0033	2	DIODE:BREAKDOWN 6.2V	04713	1N823
A25A3CR11	1901-0033		DIODE:SILICON 100MA 180WV	07263	F03369
A25A3CR12	1901-0033		DIODE:SILICON 100MA 180WV	07263	F03369
A25A3CR13	1901-0033		DIODE:SILICON 100MA 180WV	07263	F03369
A25A3CR14	1901-0033		DIODE:SILICON 100MA 180WV	07263	F03369
A25A3CR15	1901-0033		DIODE:SILICON 100MA 180WV	07263	F03369
A25A3CR16	1901-0033		DIODE:SILICON 100MA 180WV	07263	F03369
A25A3CR17	1901-0033		DIODE:SILICON 100MA 180WV	07263	F03369
A25A3CR18	1901-0033		DIODE:SILICON 100MA 180WV	07263	F03369
A25A3CR19	1902-0033		DIODE:BREAKDOWN 6.2V	04713	1N823
A25A3CR20	1901-0033		DIODE:SILICON 100MA 180WV	07263	F03369
A25A3CR21	1901-0033		DIODE:SILICON 100MA 180WV	07263	F03369
A25A3CR22	1902-3139	1	DIODE:BREAKDOWN 8.25V 5%	04713	SZ10939-158
A25A3CR23	1901-0033		DIODE:SILICON 100MA 180WV	07263	F03369
A25A3CR24	1901-0033		DIODE:SILICON 100MA 180WV	07263	F03369
A25A3CR25	1901-0033		DIODE:SILICON 100MA 180WV	07263	F03369
A25A3CR26	1901-0033		DIODE:SILICON 100MA 180WV	07263	F03369
A25A3CR27	1901-0033		DIODE:SILICON 100MA 180WV	07263	F03369
A25A3CR28	1901-0033		DIODE:SILICON 100MA 180WV	07263	F03369
A25A3CR29	1901-0033		DIODE:SILICON 100MA 180WV	07263	F03369
A25A3CR30	1901-0033		DIODE:SILICON 100MA 180WV	07263	F03369
A25A3CR31	1901-0033		DIODE:SILICON 100MA 180WV	07263	F03369
A25A3E1	0360-0294	3	TERMINAL:SOLDER POINT	28480	0360-0294
A25A3E2	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A25A3E3	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A25A3Q1	1854-0039	3	TSTR:SI NPN	80131	2N3053
A25A3Q2	1853-0281	3	TSTR:SI PNP	80131	2N2907A
A25A3Q3	1854-0039		TSTR:SI NPN	80131	2N3053
A25A3Q4	1853-0281		TSTR:SI PNP	80131	2N2907A
A25A3Q5	1854-0039		TSTR:SI NPN	80131	2N3053
A25A3Q6	1853-0281		TSTR:SI PNP	80131	2N2907A
A25A3R1	0698-0083	1	R:FXD MET FLM 1.96K OHM 1% 1/8W	28480	0698-0083
A25A3R2	0698-3445	1	R:FXD MET FLM 348 OHM 1% 1/8W	28480	0698-3445
A25A3R3	0757-0428	3	R:FXD MET FLM 1.62K OHM 1% 1/8W	28480	0757-0428
A25A3R4	2100-2574	1	R:VAR CERMET 500 OHM 10% LIN 1/2W	28480	2100-2574
A25A3R5	0757-0441	2	R:FXD MET FLM 8.25K OHM 1% 1/8W	28480	0757-0441
A25A3R6	0757-0428		R:FXD MET FLM 1.62K OHM 1% 1/8W	28480	0757-0428
A25A3R7	0757-0438	1	R:FXD MET FLM 5.11K OHM 1% 1/8W	28480	0757-0438
A25A3R8	0757-0459	6	R:FXD MET FLM 56.2K OHM 1% 1/8W	28480	0757-0459
A25A3R9	0698-3136	1	R:FXD MET FLM 17.8K OHM 1% 1/8W	28480	0698-3136
A25A3R10	0757-0428		R:FXD MET FLM 1.62K OHM 1% 1/8W	28480	0757-0428

Table 2-30. Protection and Control Card, Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A25A3R11	0757-0401	2	R:FXD MET FLM 100 OHM 1% 1/8W	28480	0757-0401
A25A3R12	0757-0274	3	R:FXD MET FLM 1.21K OHM 1% 1/8W	28480	0757-0274
A25A3R13	0757-0198	2	R:FXD MET FLM 100 OHM 1% 1/2W	28480	0757-0198
A25A3R14	0757-0459		R:FXD MET FLM 56.2K OHM 1% 1/8W	28480	0757-0459
A25A3R15	0698-3150	3	R:FXD MET FLM 2.37K OHM 1% 1/8W	28480	0698-3150
A25A3R16	0757-0346	3	R:FXD MET FLM 10 OHM 1% 1/8W	28480	0757-0346
A25A3R17	0757-0440	1	R:FXD MET FLM 7.50K OHM 1% 1/8W	28480	0757-0440
A25A3R18	0698-3152	1	R:FXD MET FLM 3.48K OHM 1% 1/8W	28480	0698-3152
A25A3R19	0757-0274		R:FXD MET FLM 1.21K OHM 1% 1/8W	28480	0757-0274
A25A3R20	0757-0422	1	R:FXD MET FLM 909 OHM 1% 1/8W	28480	0757-0422
A25A3R21	0698-3155	7	R:FXD MET FLM 4.64K OHM 1% 1/8W	28480	0698-3155
A25A3R22	0757-0401		R:FXD MET FLM 100 OHM 1% 1/8W	28480	0757-0401
A25A3R23	0757-0446	7	R:FXD MET FLM 15.0K OHM 1% 1/8W	28480	0757-0446
A25A3R24	0757-0465	5	R:FXD MET FLM 100K OHM 1% 1/8W	28480	0757-0465
A25A3R25	0757-0418	1	R:FXD MET FLM 619 OHM 1% 1/8W	28480	0757-0418
A25A3R26	0757-0459		R:FXD MET FLM 56.2K OHM 1% 1/8W	28480	0757-0459
A25A3R27	0698-3155		R:FXD MET FLM 4.64K OHM 1% 1/8W	28480	0698-3155
A25A3R28	0757-0459		R:FXD MET FLM 56.2K OHM 1% 1/8W	28480	0757-0459
A25A3R29	0698-3455	2	R:FXD MET FLM 261K OHM 1% 1/8W	28480	0698-3455
A25A3R30	0698-4442	1	R:FXD MET FLM 4.42K OHM 1% 1/8W	28480	0698-4442
A25A3R31	0698-3455		R:FXD MET FLM 261K OHM 1% 1/8W	28480	0698-3455
A25A3R32	0698-3155		R:FXD MET FLM 4.64K OHM 1% 1/8W	28480	0698-3155
A25A3R33	0757-0462	1	R:FXD MET FLM 75.0K OHM 1% 1/8W	28480	0757-0462
A25A3R34	0757-0123	1	R:FXD MET FLM 34.8K OHM 1% 1/8W	28480	0757-0123
A25A3R35	0757-0346		R:FXD MET FLM 10 OHM 1% 1/8W	28480	0757-0346
A25A3R36	0757-0459		R:FXD MET FLM 56.2K OHM 1% 1/8W	28480	0757-0459
A25A3R37	0698-3158	3	R:FXD MET FLM 23.7K OHM 1% 1/8W	28480	0698-3158
A25A3R38	0757-0446		R:FXD MET FLM 15.0K OHM 1% 1/8W	28480	0757-0446
A25A3R39	0698-3398	1	R:FXD MET FLM 46.4 OHM 1% 1/2W	28480	0698-3398
A25A3R40	0757-0274		R:FXD MET FLM 1.21K OHM 1% 1/8W	28480	0757-0274
A25A3R41	0698-3155		R:FXD MET FLM 4.64K OHM 1% 1/8W	28480	0698-3155
A25A3R42	0698-3151	1	R:FXD MET FLM 2.87K OHM 1% 1/8W	28480	0698-3151
A25A3R43	0698-3157	1	R:FXD MET FLM 19.6K OHM 1% 1/8W	28480	0698-3157
A25A3R44	0757-0465		R:FXD MET FLM 100K OHM 1% 1/8W	28480	0757-0465
A25A3R45	0698-3388	1	R:FXD MET FLM 14.7 OHM 1% 1/2W	28480	0698-3388
A25A3R46	0757-0198		R:FXD MET FLM 100 OHM 1% 1/2W	28480	0757-0198
A25A3R47	0698-3160	1	R:FXD MET FLM 31.6K OHM 1% 1/8W	28480	0698-3160
A25A3R48	0698-3150		R:FXD MET FLM 2.37K OHM 1% 1/8W	28480	0698-3150
A25A3R49	0698-3155		R:FXD MET FLM 4.64K OHM 1% 1/8W	28480	0698-3155
A25A3R50	0757-0346		R:FXD MET FLM 10 OHM 1% 1/8W	28480	0757-0346
A25A3R51	0698-3155		R:FXD MET FLM 4.64K OHM 1% 1/8W	28480	0698-3155
A25A3R52	0757-0446		R:FXD MET FLM 15.0K OHM 1% 1/8W	28480	0757-0446
A25A3R53	0757-0465		R:FXD MET FLM 100K OHM 1% 1/8W	28480	0757-0465
A25A3R54	0698-3447	2	R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A25A3R55	0757-0459		R:FXD MET FLM 56.2K OHM 1% 1/8W	28480	0757-0459
A25A3R56	0698-3447		R:FXD MET FLM 422 OHM 1% 1/8W	28480	0698-3447
A25A3R57	0757-0421	1	R:FXD MET FLM 825 OHM 1% 1/8W	28480	0757-0421
A25A3R58	0757-0446		R:FXD MET FLM 15.0K OHM 1% 1/8W	28480	0757-0446
A25A3R59	0757-0446		R:FXD MET FLM 15.0K OHM 1% 1/8W	28480	0757-0446
A25A3R60	0698-3150		R:FXD MET FLM 2.37K OHM 1% 1/8W	28480	0698-3150
A25A3R61	0757-0441		R:FXD MET FLM 8.25K OHM 1% 1/8W	28480	0757-0441
A25A3R62	0757-0446		R:FXD MET FLM 15.0K OHM 1% 1/8W	28480	0757-0446
A25A3R63	0757-0446		R:FXD MET FLM 15.0K OHM 1% 1/8W	28480	0757-0446
A25A3R64	2100-2522	1	R:VAR CERMET 10K OHM 10% LIN 1/2W	28480	2100-2522
A25A3R65	0757-0199	1	R:FXD MET FLM 21.5K OHM 1% 1/8W	28480	0757-0199
A25A3R66	0698-3158		R:FXD MET FLM 23.7K OHM 1% 1/8W	28480	0698-3158
A25A3R67	0757-0274	1	R:FXD MET FLM 1.21K OHM 1% 1/8W	28480	0757-0274
A25A3R68	0757-0465		R:FXD MET FLM 100K OHM 1% 1/8W	28480	0757-0465
A25A3R69	0757-0444	1	R:FXD MET FLM 12.1K OHM 1% 1/8W	28480	0757-0444
A25A3R70	0698-3155		R:FXD MET FLM 4.64K OHM 1% 1/8W	28480	0698-3155
A25A3R71	0698-3158		R:FXD MET FLM 23.7K OHM 1% 1/8W	28480	0698-3158
A25A3R72	0757-0465		R:FXD MET FLM 100K OHM 1% 1/8W	28480	0757-0465
A25A3R73	0757-0460		R:FXD MET FLM 61.9K OHM 1% 1/8W	28480	0757-0460
A25A3U1	1821-0001	3	TRANSISTOR ARRAY:SI NPN	02735	CA3046
A25A3U2	1821-0001		TRANSISTOR ARRAY:SI NPN	02735	CA3046
A25A3U3	1821-0001		TRANSISTOR ARRAY:SI NPN	02735	CA3046

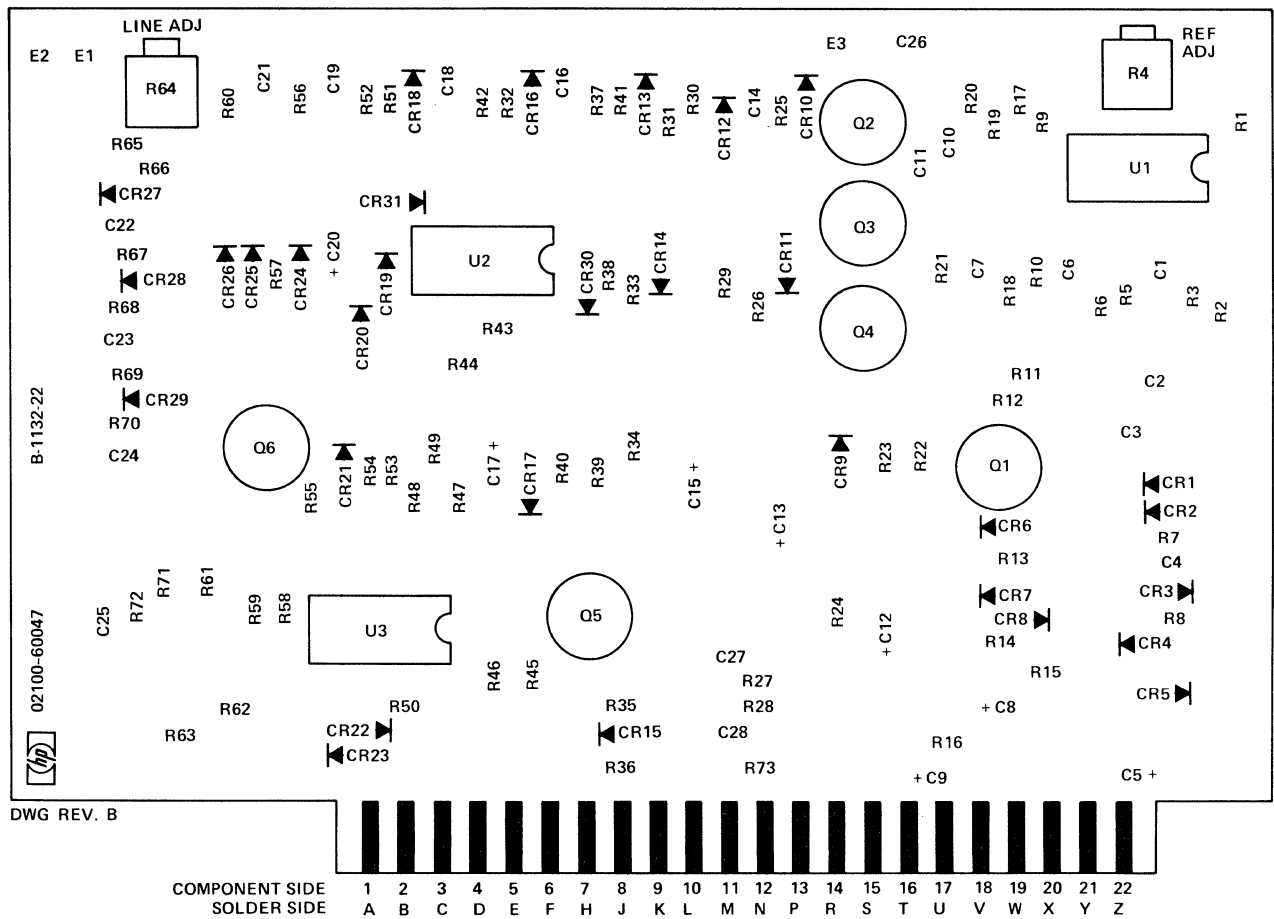


Figure 2-30. Protection and Control Card, Parts Location Diagram

Table 2-31. Current Limit Card, Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A25A4	02100-60061	1	CURRENT LIMIT CARD	28480	02100-60061
A25A4C1	0160-0168	3	C:FXD MY 0.1 UF 10% 200VDCW	56289	192P10492-PTS
A25A4C2	0180-0291	5	C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A25A4C3	0160-0161	2	C:FXD MY 0.01 UF 10% 200VDCW	56289	192P10392-PTS
A25A4C4	0160-0168		C:FXD MY 0.1 UF 10% 200VDCW	56289	192P10492-PTS
A25A4C5	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A25A4C6	0170-0024	2	C:FXD MY 0.022UF 20% 200VDCW	56289	192P22302
A25A4C7	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A25A4C8	0180-0097	1	C:FXD TANT. 47 UF 10% 35VDCW	56289	150D476X9035S2-DYS
A25A4C9	0180-0049	4	C:FXD ELECT 20 UF +75-10% 50VDCW	56289	30D206G050CC2-DSM
A25A4C10	0180-0049		C:FXD ELECT 20 UF +75-10% 50VDCW	56289	30D206G050CC2-DSM
A25A4C11	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A25A4C12	0170-0024		C:FXD MY 0.022UF 20% 200VDCW	56289	192P22302
A25A4C13	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A25A4C14	0180-0049		C:FXD ELECT 20 UF +75-10% 50VDCW	56289	30D206G050CC2-DSM
A25A4C15	0180-0049		C:FXD ELECT 20 UF +75-10% 50VDCW	56289	30D206G050CC2-DSM
A25A4C16	0160-0168		C:FXD MY 0.1 UF 10% 200VDCW	56289	192P10492-PTS
A25A4C17	0160-0161		C:FXD MY 0.01 UF 10% 200VDCW	56289	192P10392-PTS
A25A4CR2	1901-0050	10	DIODE:SI 200 MA AT 1V	07263	FDA 6308
A25A4CR3	1901-0050		DIODE:SI 200 MA AT 1V	07263	FDA 6308
A25A4CR4	1901-0050		DIODE:SI 200 MA AT 1V	07263	FDA 6308
A25A4CR5	1901-0050		DIODE:SI 200 MA AT 1V	07263	FDA 6308
A25A4CR6	1902-3290	2	DIODE BREAKDOWN:SILICON 31.6V 5%	28480	1902-3290
A25A4CR7	1901-0050		DIODE:SI 200 MA AT 1V	07263	FDA 6308
A25A4CR8	1901-0050		DIODE:SI 200 MA AT 1V	07263	FDA 6308
A25A4CR9	1902-3290		DIODE BREAKDOWN:SILICON 31.6V 5%	28480	1902-3290
A25A4CR10	1901-0050		DIODE:SI 200 MA AT 1V	07263	FDA 6308
A25A4CR11	1901-0050		DIODE:SI 200 MA AT 1V	07263	FDA 6308
A25A4CR12	1901-0050		DIODE:SI 200 MA AT 1V	07263	FDA 6308
A25A4CR13	1901-0050		DIODE:SI 200 MA AT 1V	07263	FDA 6308
A25A4E1	0360-0294	7	TERMINAL:SOLDER POINT	28480	0360-0294
A25A4E2	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A25A4E3	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A25A4E4	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A25A4E5	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A25A4E6	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A25A4E7	0360-0294		TERMINAL:SOLDER POINT	28480	0360-0294
A25A4Q1	1853-0281	1	TSTR:SI PNP	80131	2N2907A
A25A4R1	0757-0280	6	R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A25A4R2	0757-0461	3	R:FXD MET FLM 68.1K OHM 1% 1/8W	28480	0757-0461
A25A4R3	0698-0082	10	R:FXD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A25A4R4	0757-0459	3	R:FXD MET FLM 56.2K OHM 1% 1/8W	28480	0757-0459
A25A4R5	0698-0082		R:FXD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A25A4R7	0757-0442	3	R:FXD MET FLM 10.0K OHM 1% 1/8W	28480	0757-0442
A25A4R8	0757-0442		R:FXD MET FLM 10.0K OHM 1% 1/8W	28480	0757-0442
A25A4R9	0698-3162	11	R:FXD MET FLM 46.4K OHM 1% 1/8W	28480	0698-3162
A25A4R10	0698-3452	2	R:FXD MET FLM 147K OHM 1% 1/8W	28480	0698-3452
A25A4R11	0698-3162		R:FXD MET FLM 46.4K OHM 1% 1/8W	28480	0698-3162
A25A4R12	0757-0464	1	R:FXD MET FLM 90.9K OHM 1% 1/8W	28480	0757-0464
A25A4R13	0698-3260	3	R:FXD MET FLM 464K OHM 1% 1/8W	28480	0698-3260
A25A4R14	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A25A4R15	0757-0461		R:FXD MET FLM 68.1K OHM 1% 1/8W	28480	0757-0461
A25A4R16	0698-0082		R:FXD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A25A4R17	0757-0459		R:FXD MET FLM 56.2K OHM 1% 1/8W	28480	0757-0459
A25A4R18	0698-0082		R:FXD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A25A4R19	0698-3266	1	R:FXD MET FLM 237K OHM 1% 1/8W	28480	0698-3266
A25A4R20	0698-3459	2	R:FXD MET FLM 383K OHM 1% 1/8W	28480	0698-3459
A25A4R21	0698-3452		R:FXD MET FLM 147K OHM 1% 1/8W	28480	0698-3452
A25A4R22	0698-3162		R:FXD MET FLM 46.4K OHM 1% 1/8W	28480	0698-3162
A25A4R23	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A25A4R24	0698-3162		R:FXD MET FLM 46.4K OHM 1% 1/8W	28480	0698-3162
A25A4R25	0698-0082		R:FXD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A25A4R26	0698-0082		R:FXD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A25A4R27	0698-3161	1	R:FXD MET FLM 38.3K OHM 1% 1/8W	28480	0698-3161
A25A4R28	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A25A4R29	0757-0199	1	R:FXD MET FLM 21.5K OHM 1% 1/8W	28480	0757-0199
A25A4R30	0757-0442		R:FXD MET FLM 10.0K OHM 1% 1/8W	28480	0757-0442
A25A4R31	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A25A4R32	0698-3162		R:FXD MET FLM 46.4K OHM 1% 1/8W	28480	0698-3162
A25A4R33	0698-0082		R:FXD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A25A4R34	0698-0082		R:FXD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A25A4R35	0698-3160	1	R:FXD MET FLM 31.6K OHM 1% 1/8W	28480	0698-3160
A25A4R36	0698-3260		R:FXD MET FLM 464K OHM 1% 1/8W	28480	0698-3260
A25A4R37	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A25A4R38	0757-0461		R:FXD MET FLM 68.1K OHM 1% 1/8W	28480	0757-0461
A25A4R39	0698-0082		R:FXD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A25A4R40	0757-0459		R:FXD MET FLM 56.2K OHM 1% 1/8W	28480	0757-0459
A25A4R41	0698-0082		R:FXD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A25A4R42	0698-4037	4	R:FXD MET FLM 46.4 OHM 1% 1/8W	28480	0698-4037

Table 2-31. Current Limit Card, Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A25A4R43	0698-4037	2	R:FXD MET FLM 46.4 OHM 1% 1/8W	28480	0698-4037
A25A4R44	0698-0084		R:FXD MET FLM 2.15K OHM 1% 1/8W	28480	0698-0084
A25A4R45	0698-4037		R:FXD MET FLM 46.4 OHM 1% 1/8W	28480	0698-4037
A25A4R46	0698-0084		R:FXD MET FLM 2.15K OHM 1% 1/8W	28480	0698-0084
A25A4R47	0698-4037		R:FXD MET FLM 46.4 OHM 1% 1/8W	28480	0698-4037
A25A4R48	0683-8245	1	R:FXD COMP 820K OHM 5% 1/4W	01121	CR 8245
A25A4R49	0698-3459	1	R:FXD MET FLM 383K OHM 1% 1/8W	28480	0698-3459
A25A4R50	0698-3162		R:FXD MET FLM 46.4K OHM 1% 1/8W	28480	0698-3162
A25A4R51	0698-3456		R:FXD MET FLM 287K OHM 1% 1/8W	28480	0698-3456
A25A4R52	0698-3162		R:FXD MET FLM 46.4K OHM 1% 1/8W	28480	0698-3162
A25A4R53	0698-3162		R:FXD MET FLM 46.4K OHM 1% 1/8W	28480	0698-3162
A25A4R54	0698-3162	1	R:FXD MET FLM 46.4K OHM 1% 1/8W	28480	0698-3162
A25A4R55	0698-3162		R:FXD MET FLM 46.4K OHM 1% 1/8W	28480	0698-3162
A25A4R56	0757-0462		R:FXD MET FLM 75.0K OHM 1% 1/8W	28480	0757-0462
A25A4R57	0698-3162		R:FXD MET FLM 46.4K OHM 1% 1/8W	28480	0698-3162
A25A4R58	0757-0463	1	R:FXD MET FLM 82.5K OHM 1% 1/8W	28480	0757-0463
A25A4R59	0698-3260	9	R:FXD MET FLM 464K OHM 1% 1/8W	28480	0698-3260
A25A4U1	1826-0070		IC:LINEAR OPER. AMPL.	07263	U6A7741393
A25A4U2	1826-0070		IC:LINEAR OPER. AMPL.	07263	U6A7741393
A25A4U3	1826-0070		IC:LINEAR OPER. AMPL.	07263	U6A7741393
A25A4U4	1826-0070		IC:LINEAR OPER. AMPL.	07263	U6A7741393
A25A4U5	1826-0070	1	IC:LINEAR OPER. AMPL.	07263	U6A7741393
A25A4U6	1826-0070		IC:LINEAR OPER. AMPL.	07263	U6A7741393
A25A4U7	1826-0070		IC:LINEAR OPER. AMPL.	07263	U6A7741393
A25A4J8	1826-0070		IC:LINEAR OPER. AMPL.	07263	U6A7741393
A25A4J9	1826-0070		IC:LINEAR OPER. AMPL.	07263	U6A7741393

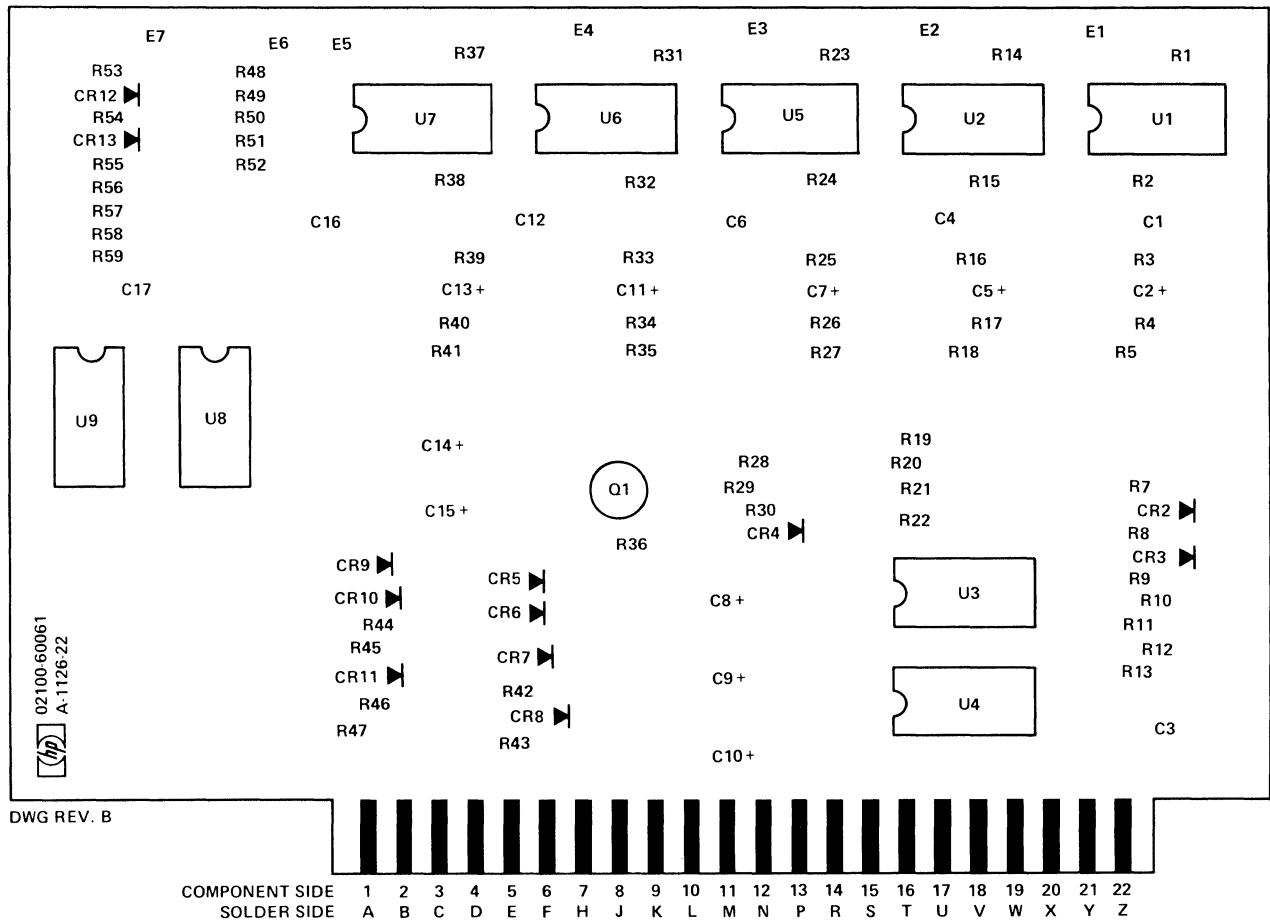
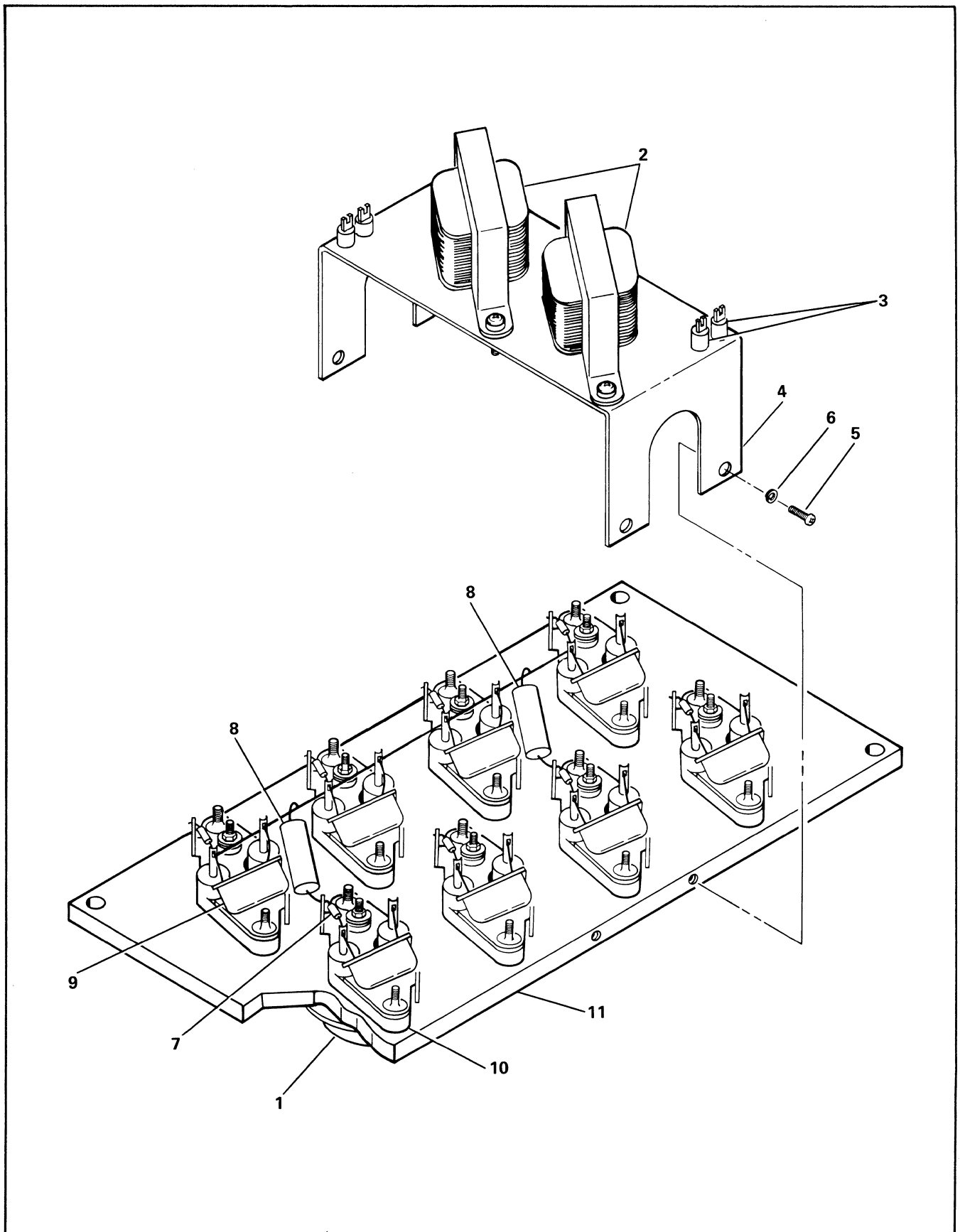


Figure 2-31. Current Limit Card, Parts Location Diagram

Table 2-32. Inverter Assembly, Replaceable Parts

FIG. & INDEX NO.	HP PART NO.	DESCRIPTION	MFR CODE	MFR PART NO.	UNITS PER ASSY
2-32-1	No Number	INVERTER ASSEMBLY (A25A7) (16, figure 2-21)		No Number	1
	1854-0080	* Transistor, Si, NPN (Q3 thru Q10) (Attaching Parts)	28480	1854-0080	8
	2360-0205	* Screw, Machine, ph, No. 6-32, 3/4 in.	71785	293011	2
	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	2
	1200-0043	* Insulator, Transistor Mounting --- x ---	00000	OBD	1
2	9100-2924	* Transformer, Pulse (T1,T2) (Attaching Parts)	28480	9100-2924	2
	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	2
	2190-0851	* Washer, Lock, split, No. 6 --- x ---	00000	OBD	2
3	0340-0078	* Insulator, Standoff (E1 thru E13, E37 thru E40)	83330	93-2001	2
4	02100-00155	* Bracket, Angle (Attaching Parts)	28480	02100-00155	1
5	2200-0143	* Screw, Machine, ph, No. 4-40, 3/8 in.	00000	OBD	4
6	2190-0003	* Washer, Lock, split, No. 4 --- x ---	00000	OBD	4
7	1901-1065	* Diode, Si (CR3 thru CR10)	04713	1N4936	8
8	0160-0303	* Capacitor, Fxd, My, 0.15 μ F, 10%, 200 VDCW (C12,C13)	28480	0160-0303	2
9	0160-0174	* Capacitor, Fxd, Cer, 0.47 μ F, +80 - 20%, 25 VDCW (C4 thru C11)	26289	5C11B7S-CML	8
10	1200-0452	* Socket, Transistor (Attaching Parts)	91506	8080-1G1	8
	2200-0149	* Screw, Machine, ph, No. 4-40, 5/8 in.	00000	OBD	1
	2190-0003	* Washer, Lock, split, No. 4	00000	OBD	1
	3050-0229	* Washer, Flat, No. 4	00000	OBD	1
	2260-0002	* Nut, Plain, Hexagon, No. 4-40 --- x ---	00000	OBD	1
11	02100-20048	* Heat Sink	28480	02100-20048	1



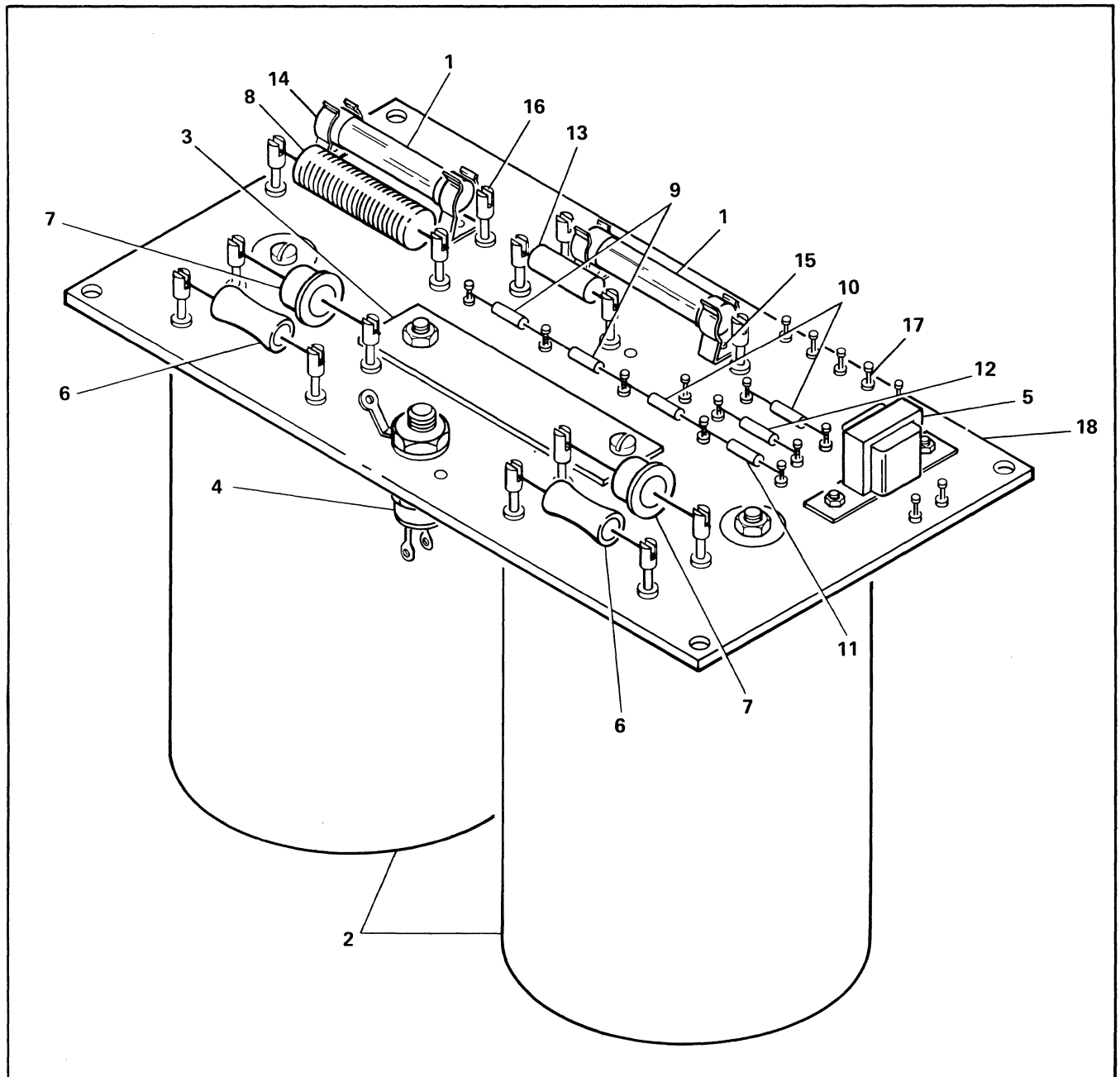
2135-4

Figure 2-32. Inverter Assembly, Exploded View

Table 2-33. +160 Volt Output Board, Replaceable Parts

FIG. & INDEX NO.	HP PART NO.	DESCRIPTION	MFR CODE	MFR PART NO.	UNITS PER ASSY
2-33-	02100-60048	+160 VOLT OUTPUT BOARD (A25A5) (26, figure 2-21)	28480	02100-60048	1
1	2110-0083	* Fuse, 2-1/2A, 250V, 3AG (F1,F2)	28480	2110-0083	2
2	0180-2418	* Capacitor, Fxd, Elect, 9800 uF, -10 +75%, 100 VDCW (C17,C18) (See Note) (Attaching Parts)	14659	36D982G100CC2A	2
	3030-0248	* Setscrew, Socket Head, No. 10-32, 3/4 in.	00000	OBD	1
	2740-0002	* Nut, Plain, Hexagon, No. 10-32	00000	OBD	1
	2680-0103	* Screw, Machine, ph, No. 10-32, 1/2 in.	00000	OBD	1
	2190-0034	* Washer, Lock, split, No. 10 --- x ---	00000	OBD	2
3	02100-00165	* Bus Bar	28480	02100-00165	1
4	2884-0211	* Thyristor, Si, NPN (Q1) (Attaching Parts)	86684	40576	1
	2950-0036	* Nut, Plain, Hexagon, 1/4-28	00000	OBD	1
	0360-0040	* Terminal, Lug, 1/4 in. ID	00000	OBD	1
	3050-0225	* Washer, Flat, 1/4 in. ID --- x ---	00000	OBD	1
5	9100-2927	* Transformer, Pulse (T1) (Attaching Parts)	28480	9100-2927	1
	2200-0143	* Screw, Machine, ph, No. 4-40, 3/8 in.	00000	OBD	2
	3050-0229	* Washer, Flat, No. 4	00000	OBD	2
	2190-0004	* Washer, Lock, int-tooth, No. 4	00000	OBD	2
	2260-0001	* Nut, Plain, Hexagon, No. 4-40 --- x ---	00000	OBD	2
6	0764-0018	* Resistor, Fxd, Met Flm, 4700 ohms, 5%, 2W (R1,R2)	28480	0764-0018	2
7	1901-0164	* Diode, Si, 200 PIV, 3A (CR1,CR2)	04713	1N4721	2
8	0811-3108	* Resistor, Fxd, WW, 2.0 ohms, 10% (R7)	20940	R7-100	1
9	1902-3416	* Diode, Breakdown, 90.9V, 5%, 400W (CR3,CR4)	07910	CD35982	2
10	0757-0316	* Resistor, Fxd, Met Flm, 42.2 ohms, 1%, 1/8W (R4,R6)	28480	0757-0316	2
11	0757-0284	* Resistor, Fxd, Met Flm, 150 ohms, 1%, 1/8W (R3)	28480	0757-0284	1
12	1901-0050	* Diode, Si, 200 mA at 1V (CR5)	07263	FDA6308	1
13	0689-0275	* Resistor, Fxd, Comp, 2.7 ohms, 5%, 1W (R5)	01121	GB27G5	1
14	2110-0257	* Fuseholder (Attaching Parts)	75915	121001	4
15	0361-1032	* Rivet, Tubular, 0.121 in. OD, 0.200 in. long --- x ---	00000	OBD	1
16	0360-1529	* Stud, Terminal, fork style	71279	1025-4	15
17	0360-1656	* Stud, Terminal, single turret style	71279	1457-4	17
18	02100-80048	* Printed-Circuit Board	28480	02100-80048	1

NOTE: C17 and C18 are considered part of 02100-60048 assembly for reference purposes but must be ordered separately.

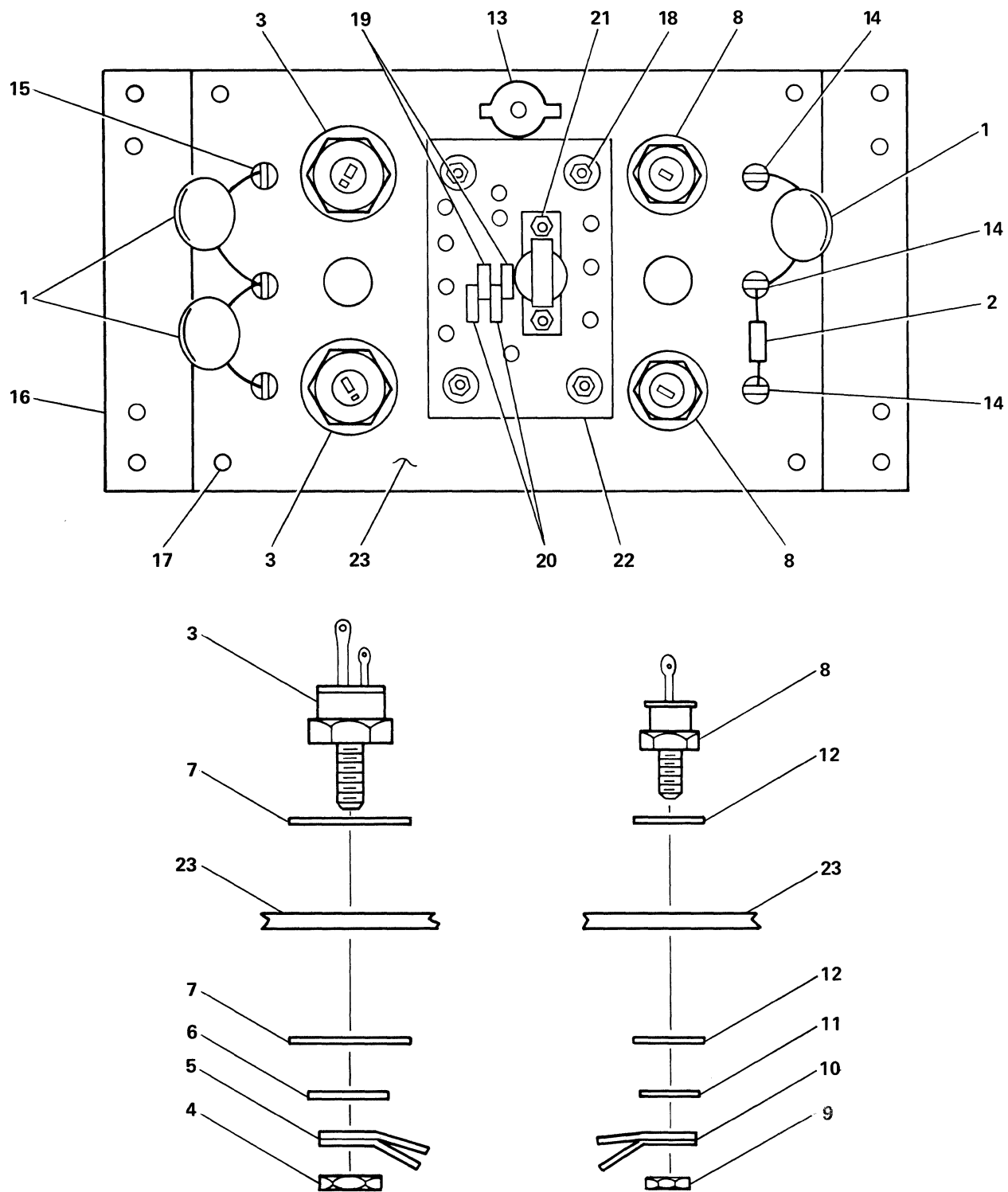


2135-14

Figure 2-33. +160 Volt Output Board, Exploded View

Table 2-34. Preregulator Assembly, Replaceable Parts

FIG. & INDEX NO.	HP PART NO.	DESCRIPTION	MFR CODE	MFR PART NO.	UNITS PER ASSY
2-34-	No Number	PREREGULATOR ASSEMBLY (A25A6) (32, figure 2-21)		No Number	1
1	0160-0904	* Capacitor, Fxd, Cer, 0.50 μ F, 20%, 1000 VDCW (C1,C2,C3)	56289	169A4-CDH	3
2	0698-3402	* Resistor, Fxd, Met Flm, 316 ohms, 1%, 1/2W (R1)	28480	0698-3402	1
3	1884-0211	* Thyristor, scr, 1F, 20A, 600V (Q1,Q2) (Attaching Parts)	04713	2N5171	2
4	2950-0036	* Nut, Plain, Hexagon, 1/4-28	00000	OBD	1
5	0360-0040	* Lug, Terminal, 1/4 in. ID	00000	OBD	2
6	3050-0225	* Washer, Flat, 1/4 in. ID	00000	OBD	1
7	1200-0088	* Insulator, Transistor Mounting --- x ---	71785	293201	2
8	1901-1061	* Diode, Rectifier, 12A, 600V (CR1,CR2) (Attaching Parts)	04713	MR886	2
9	2740-0002	* Nut, Plain, Hexagon, No. 10-32	00000	ODB	1
10	0360-0220	* Lug, Terminal, No. 10	00000	OBD	2
11	3050-0226	* Washer, Flat, No. 10	00000	OBD	1
12	1200-0080	* Insulator, Transistor Mounting --- x ---	71785	294834	2
13	3103-0015	* Switch, Thermal (S1) (Attaching Parts)	14604	3001	1
	2420-0003	* Nut, Plain, Hexagon, No. 6-32 --- x ---	00000	OBD	1
14	0340-0078	* Insulator, Standoff	83330	93-2001	3
15	0340-0077	* Insulator, Feedthru	98291	FT-1000-SL	3
16	02100-00140	* Insulator, Heat Sink (Attaching Parts)	28480	02100-00140	2
17	0361-0134	* Rivet, 9/64 in. dia, 1/4 in. long --- x ---	00000	OBD	2
	02100-60059	* Preregulator Driver Board (A25A6A1) (Attaching Parts)	28480	02100-60059	1
18	2200-0149	* Screw, Machine, ph, No. 4-40, 5/8 in.	00000	OBD	4
	2260-0001	* Nut, Plain, Hexagon, No. 4-40	00000	OBD	4
	2190-0003	* Washer, Lock, split, No. 4	00000	OBD	4
	3050-0229	* Washer, Flat, No. 4	00000	OBD	8
	0390-0019	* Spacer, Sleeve, 1/4 in. long --- x ---	00000	OBD	4
19	0757-0316	** Resistor, Fxd, Met Flm, 42.2 ohms, 1%, 1/8W (R1,R3)	28480	0757-0316	2
20	0757-0284	** Resistor, Fxd, Met Flm, 150 ohms, 1%, 1/8W (R2,R4)	28480	0757-0284	2
21	9100-2925	** Power Transformer (T1) (Attaching Parts)	28480	9100-2925	1
	2200-0139	** Screw, Machine, ph, No. 4-40, 1/4 in.	00000	OBD	2
	2190-0078	** Washer, Lock, split, No. 4	00000	OBD	2
	3050-0229	** Washer, Flat, No. 4	00000	OBD	4
	2260-0002	** Nut, Plain, Hexagon, No. 4-40 --- x ---	00000	OBD	2
22	02100-80059	** Printed-Circuit Board	28480	02100-80059	1
23	02100-20046	* Heat Sink	28480	02100-20046	1

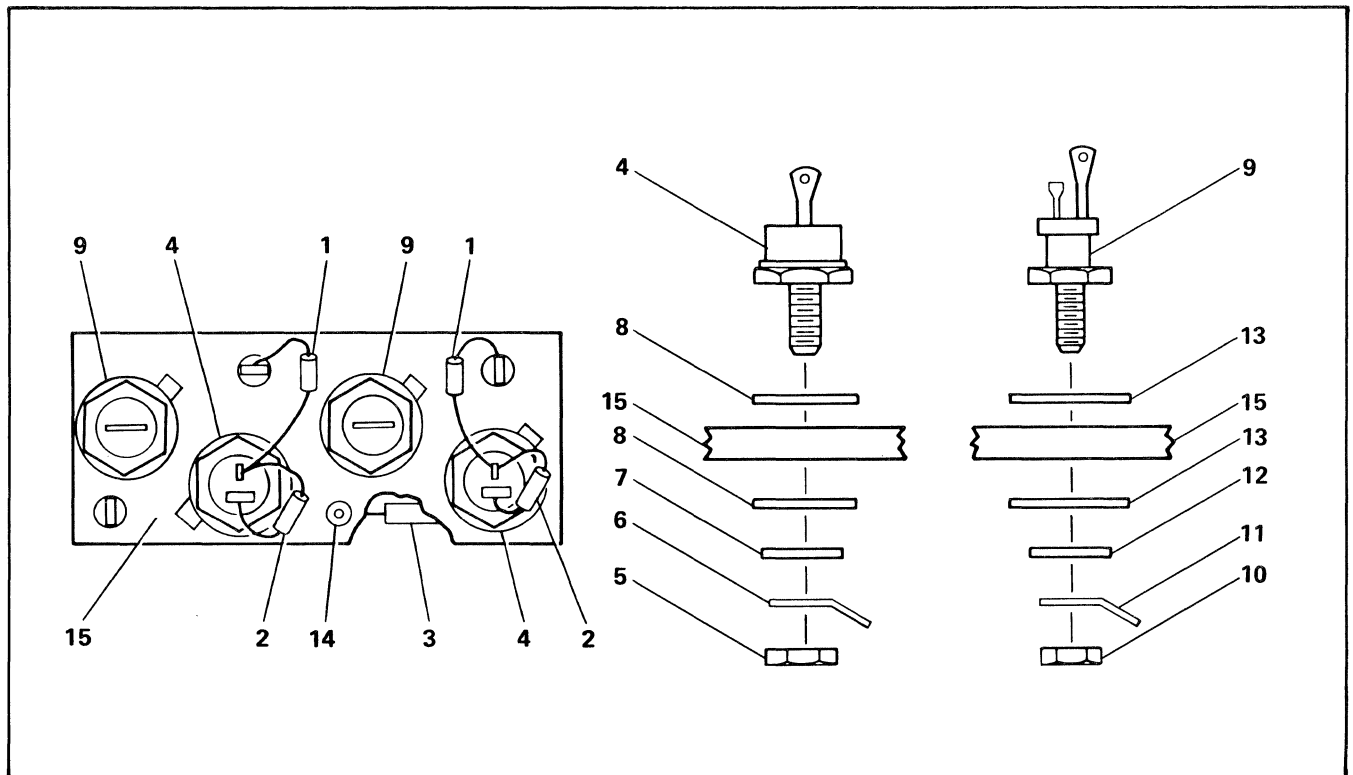


2135-3

Figure 2-34. Preregulator Assembly, Exploded View

Table 2-35. Output Crowbar Assembly, Replaceable Parts

FIG. & INDEX NO.	HP PART NO.	DESCRIPTION	MFR CODE	MFR PART NO.	UNITS PER ASSY
2-35-	No Number	OUTPUT CROWBAR ASSEMBLY (A25A10) (59, figure 2-21)		No Number	1
1	0757-0316	* Resistor, Fxd, Met Flm, 42.2 ohms, 1%, 1/8W (R3,R4)	28480	0757-0316	2
2	0757-0284	* Resistor, Fxd, Met Flm, 150 ohms, 1%, 1/8W (R2,R5)	28480	0757-0284	2
3	0698-3180	* Resistor, Fxd, Met Ox, 68 ohms, 2%, 2W (R6)	28480	0698-3180	1
4	1884-0208	* Thyristor, 35A rms, 100V (Q11,Q12) (Attaching Parts)	12040	NL570A	2
5	2950-0036	* Nut, Plain, Hexagon, 1/4-28	00000	OBD	1
6	0360-0271	* Lug, Terminal, 1/4 in. ID	00000	OBD	1
7	3050-0226	* Washer, Flat, 1/4 in. ID	00000	OBD	1
8	1200-0080	* Insulator, Transistor Mounting --- x ---	76530	293201	2
9	1901-0315	* Diode, Si, 50 PIV, 40A, 150°C (CR39,CR40) (Attaching Parts)	05277	1N1183A	2
10	2950-0036	* Nut, Plain, Hexagon, 1/4-28	00000	OBD	1
11	0360-0271	* Lug, Terminal, 1/4 in. ID	00000	OBD	1
12	3050-0226	* Washer, Flat, 1/4 in. ID	00000	OBD	1
13	1200-0080	* Insulator, Transistor Mounting --- x ---	76530	293201	2
14	0340-0077	* Insulator, Feedthru	98291	FT-1000-SL	4
15	02100-20047	* Heat Sink	28480	02100-20047	1

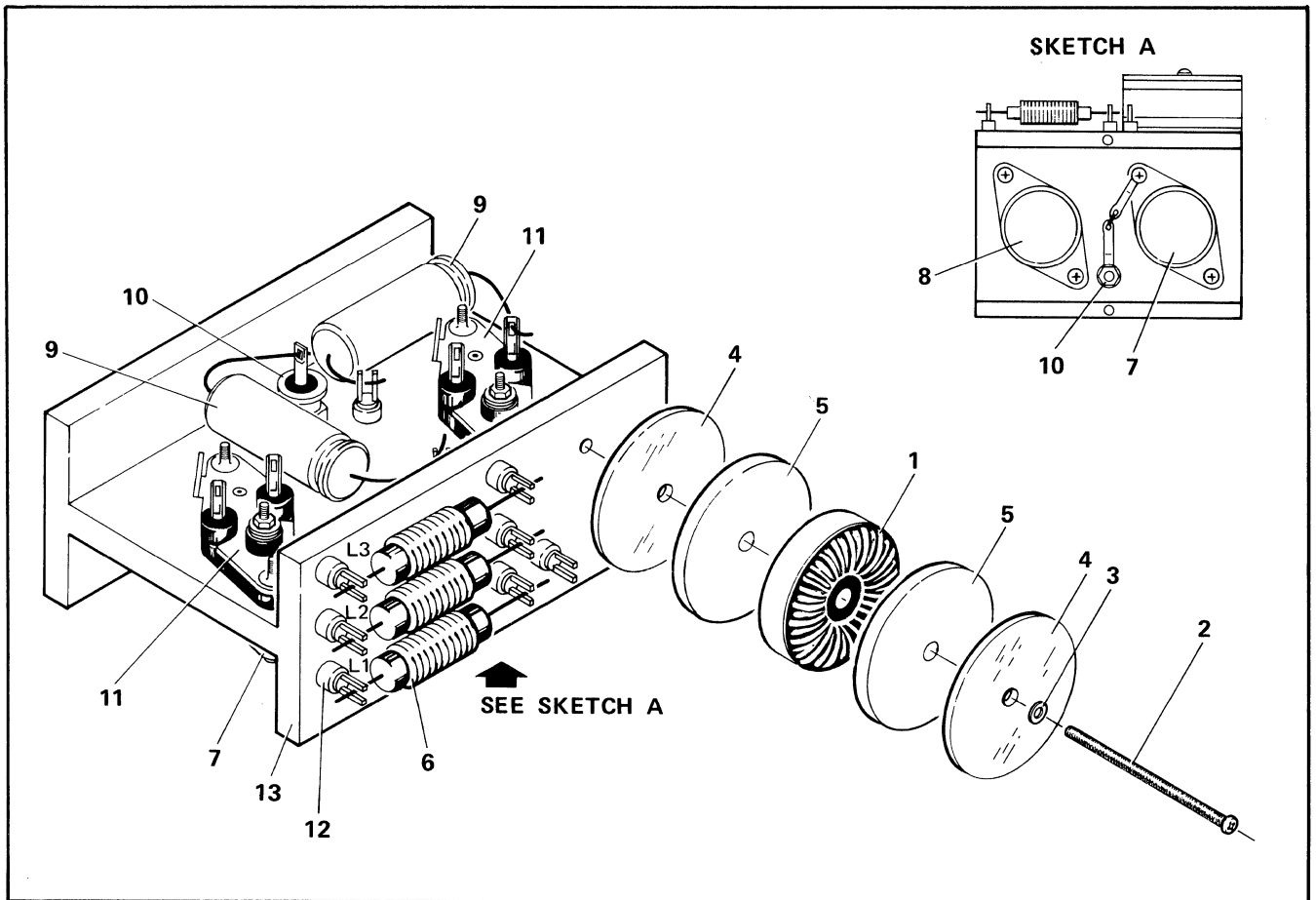


2135-7

Figure 2-35. Output Crowbar Assembly, Exploded View

Table 2-36. ± 20 Volt Regulator Assembly, Replaceable Parts

FIG. & INDEX NO.	HP PART NO.	DESCRIPTION	MFR CODE	MFR PART NO.	UNITS PER ASSY
2-36-1	No Number 9100-2926	± 20 VOLT REGULATOR ASSEMBLY (A25A11) (63, figure 2-21) * Inductor, 200 μ H (L4) (Attaching Parts)	28480	No Number 9100-2926	1 1
2	2360-0131	* Screw, Machine, ph, No. 6-32, 1-1/8 in.	00000	OBD	1
3	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	1
4	3050-0760	* Plate, Electrical Shield	00000	OBD	2
5	3050-0761	* Insulator, Neoprene ---- x ----	00000	OBD	2
6	9100-2928	* Inductor, 4 μ H (L1, L2, L3)	76493	5230	3
7	1835-0310	* Transistor, Si, PNP (Q14) (Attaching Parts)	04713	2N4398	1
	2360-0208	* Screw, Machine, ph, No. 6-32, 3/4 in.	00000	OBD	2
	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	2
	1200-0043	* Insulator Plate, Transistor ---- x ----	71785	293011	1
8	1835-0310	* Transistor, Si, PNP (Q13) (Attaching Parts)	04713	2N4398	1
	2360-0208	* Screw, Machine, ph, No. 6-32, 3/4 in.	00000	OBD	2
	0360-0268	* Terminal, Lug, No. 6	78189	2103-06-00	1
	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	1
	1200-0043	* Insulator Plate, Transistor ---- x ----	71785	293011	1
9	0180-0141	* Capacitor, Fxd, Elctlt, 50 μ F, +75 - 10%, 50 VDCW (C14,C15)	56289	30D506G050DD2-DSM	2
10	1901-1036	* Diode, Rectifier, Si (CR41) (Attaching Parts)	04713	MR881	1
	2740-0002	* Nut, Plain, Hexagon, No. 10-32, 3/8 in.	00000	OBD	1
	0360-0270	* Terminal, Lug, No. 10	00000	OBD	1
	3050-0225	* Washer, Flat, No. 10	00000	OBD	1
	1200-0080	* Insulator, Transistor Mounting ---- x ----	71785	294834	2
11	1200-0452	* Socket, Transistor (Attaching Parts)	19506	8080-1G1	2
	2200-0149	* Screw, Machine, ph, No. 4-40, 5/8 in.	00000	OBD	1
	2190-0003	* Washer, Lock, split, No. 4	00000	OBD	1
	3050-0229	* Washer, Flat, No. 4	00000	OBD	1
	2260-0002	* Nut, Plain, Hexagon, No. 4-40 ---- x ----	00000	OBD	1
12	0340-0078	* Insulator, Standoff	83330	93-2001	9
13	02100-20049	* Heat Sink	28480	02100-20049	1

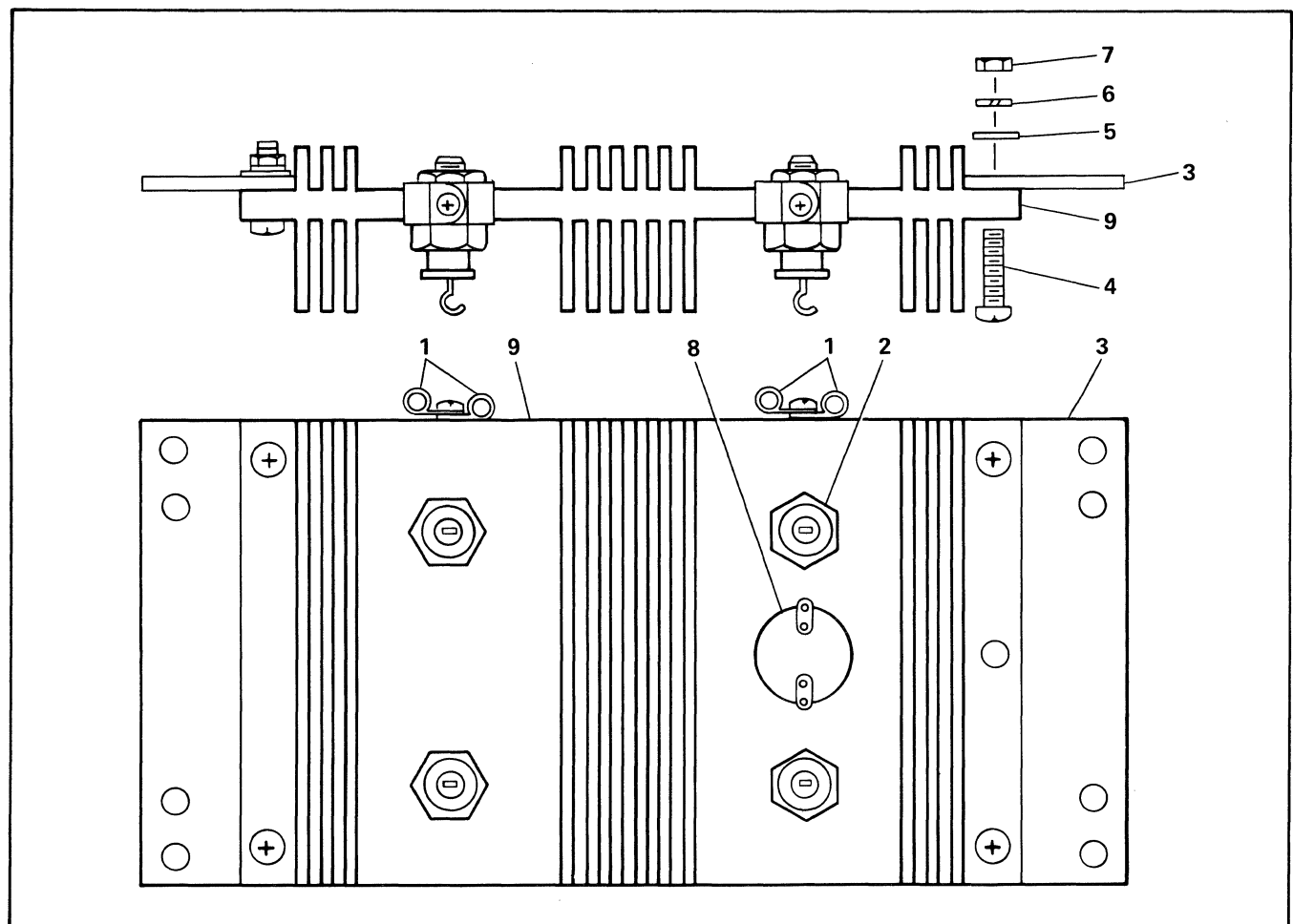


2135-5

Figure 2-36. ± 20 Volt Regulator Assembly, Exploded View

Table 2-37. +4.85 Volt Rectifier Assembly, Replaceable Parts

FIG. & INDEX NO.	HP PART NO.	DESCRIPTION	MFR CODE	MFR PART NO.	UNITS PER ASSY
2-37-1	No Number	+4.85 VOLT RECTIFIER ASSEMBLY (A25A9) (74, figure 2-21)		No Number	1
	1400-0053	* Clamp, Cable (Attaching Parts)	95987	WC-34NA	4
	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	1
	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	1
	3050-0228	* Washer, Flat, No. 6 --- x ---	00000	OBD	1
2	1901-1062	* Diode, Schottky Barrier (CR35 thru CR38) (Attaching Parts)	04713	MBD-5400	4
	2740-0003	* Nut, Assembled Washer, No. 10-32 --- x ---	00000	OBD	1
3	02100-00140	* Insulator Heat Sink (Attaching Parts)	28480	02100-00140	2
4	2360-0003	* Screw, Machine, ph, No. 6-32, 1/2 in.	00000	OBD	2
5	3050-0228	* Washer, Flat, No. 6	00000	OBD	2
6	2360-0851	* Washer, Lock, split, No. 6	00000	OBD	2
7	2420-0003	* Nut, Plain, Hexagon, No. 6-32 --- x ---	00000	OBD	2
8	3103-0015	* Switch, Thermal (S2) (Attaching Parts)	14604	3001	1
9	2420-0003	* Nut, Plain, Hexagon, No. 6-32	00000	OBD	1
	02100-20050	* Heat Sink	28480	02100-20050	1

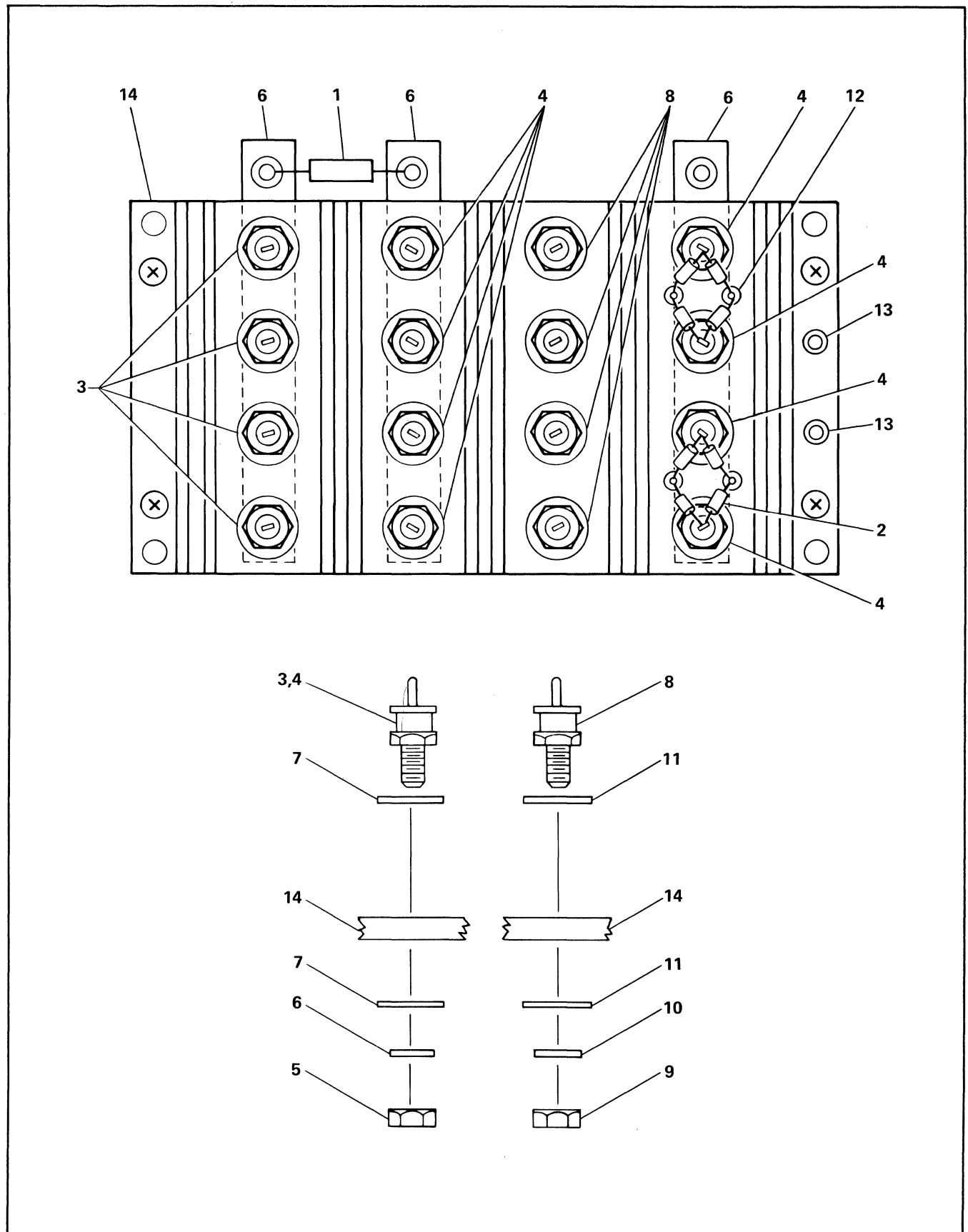


2135-6

Figure 2-37. +4.85 Volt Rectifier Assembly, Exploded View

Table 2-38. Rectifier Assembly, Replaceable Parts

FIG. & INDEX NO.	HP PART NO.	DESCRIPTION	MFR CODE	MFR PART NO.	UNITS PER ASSY
2-38-	No Number	RECTIFIER ASSEMBLY (A25A8) (79, figure 2-21)		No Number	1
1	0761-0021	* Resistor, Fxd, Met Ox, 1000 ohms, 5%, 1W (R7)	28480	0761-0021	1
2	1901-0159	* Diode, Si, 0.75A, 400 PIV (CR11 thru CR18)	04713	SR1358-4	8
3	1901-1035	* Diode, Rectifier, 12A, 100V (CR31 thru CR34)	28480	1901-1035	4
4	1901-1036	* Diode, Rectifier, 12A, 100V (CR19 thru CR26) (Attaching Parts for items 3 and 4)	04713	MR881	8
5	2740-0003	* Nut, Assembled Washer, No. 10-32	00000	OBD	1
6	02100-00150	* Bus Bar	28480	02100-00150	1
7	1200-0080	* Insulator — — — x — — —	71785	294834	2
8	1901-1062	* Diode, Schottsky Barrier (CR27 thru CR30) (Attaching Parts)	04713	MBD-5400	4
9	2740-0003	* Nut, Assembled Washer, No. 10-32	00000	OBD	1
10	3050-0225	* Washer, Flat, No. 10	00000	OBD	1
11	1200-0088	* Insulator, Transistor Mounting — — — x — — —	71785	294834	2
12	0340-0078	* Insulator, Standoff	83330	93-2001	4
13	0340-0077	* Insulator, Feedthru	98291	FT1000-SL	2
14	02100-20051	* Heat Sink	28480	02100-20051	1

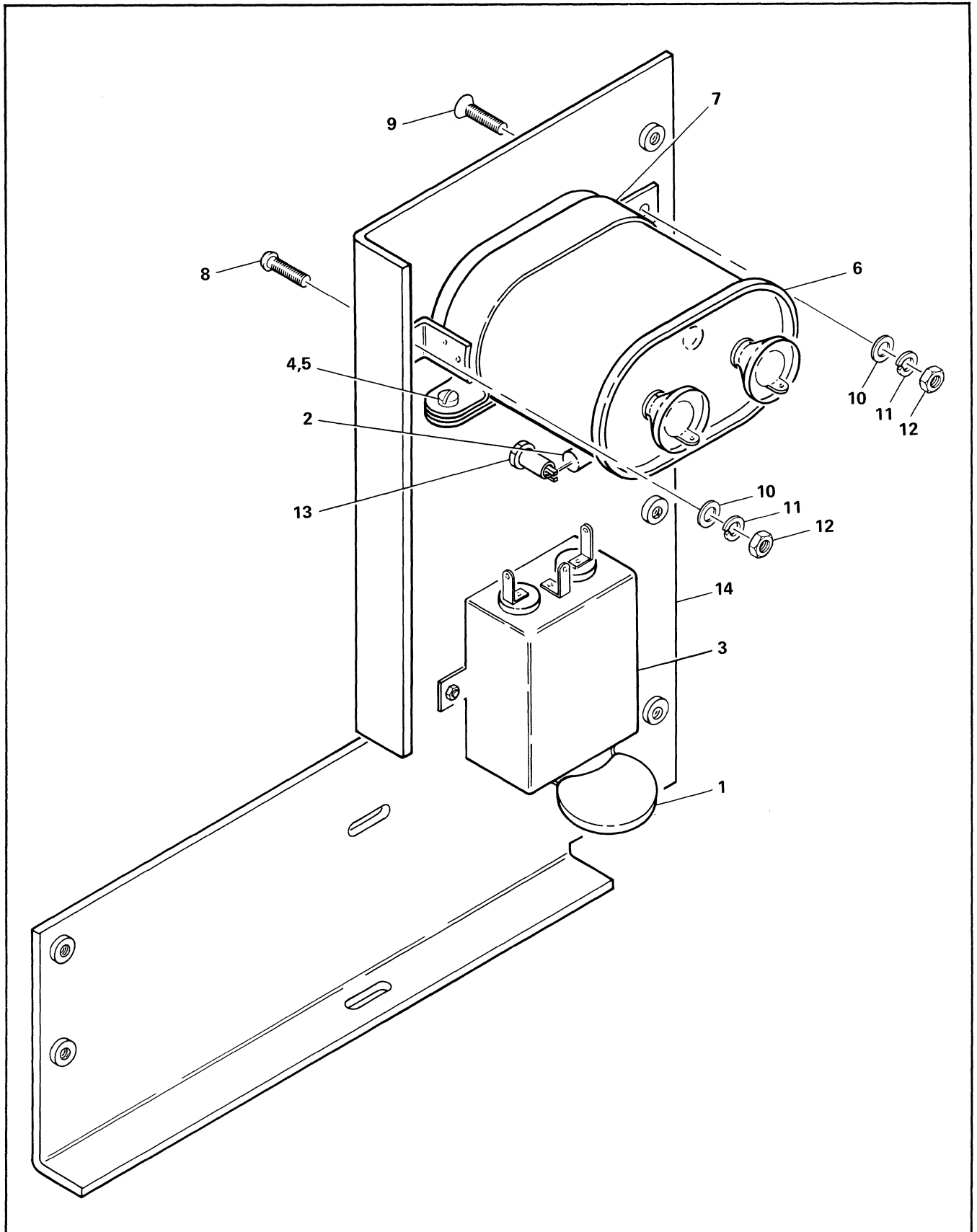


2135-8

Figure 2-38. Rectifier Assembly, Exploded View

Table 2-39. Plenum Chamber Side Bracket, Replaceable Parts

FIG. & INDEX NO.	HP PART NO.	DESCRIPTION	MFR CODE	MFR PART NO.	UNITS PER ASSY
2-39-	No Number	PLENUM CHAMBER SIDE BRACKET (43, figure 2-24)		No Number	1
1	0160-0904	* Capacitor, Fxd, Cer, 0.05 uF, 20%, 1000 VDCW (C1)	56289	41C169A4-CDH	1
2	0698-3391	* Resistor, Fxd, Met Flm, 21.5 ohms, 10%, 1/2W (R1)	28480	0698-3391	1
3	9100-3317	* Filter, Line (FL1) (Attaching Parts)	05245	20B1	1
	2360-0197	* Screw, Machine, ph, no. 6-32, 3/8 in.	00000	OBD	2
	2190-0851	* Washer, Lock, split, No. 6	00000	OBD	2
	2420-0002	* Nut, Plain, Hexagon, No. 6-32 --- x ---	00000	OBD	2
4	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	1
5	2420-0001	* Nut, Assembled Washer, No. 6-32	00000	OBD	1
6	0160-3898	* Capacitor, Fxd, Paper, 1 uF, 440 VAC (C3)	14659	200P1449	1
7	1400-0189	* Clamp, Capacitor (Attaching Parts)	24446	128A2244G21	1
8	2360-0197	* Screw, Machine, ph, No. 6-32, 3/8 in.	00000	OBD	1
9	2360-0196	* Washer, Flat, No. 6	00000	OBD	1
10	3050-0227	* Washer, Lock, split, No. 6	00000	OBD	2
11	2190-0006	* Washer, Flat, No. 6	00000	OBD	2
12	2420-0002	* Nut, Plain, Hexagon, No. 6-32 --- x ---	00000	OBD	2
13	0360-0279	* Insulator, Standoff (Attaching Parts)	17117	2304-54-1	2
	2200-0139	* Screw, Machine, ph, No. 4-40, 3/8 in.	00000	OBD	1
	2190-0003	* Washer, Lock, split, No. 4 --- x ---	00000	OBD	1
14	02100-00010	* Bracket, Angle	28480	02100-00010	1



2135-9

Figure 2-39. Plenum Chamber Side Bracket, Exploded View

3-1. INTRODUCTION.

3-2. This section contains a complete listing of every replaceable part for the computer. The parts are segregated by the electrical or mechanical usage into two tables; tables 3-1 and 3-2, respectively. The listing of the parts in each table is in numerical order by part number.

3-3. The DESCRIPTION column and MFR CODE column of the tables use abbreviations and five digit codes, respectively. The abbreviations used in the DESCRIPTION column are explained in table 3-3, and the five digit codes used in the MFR CODE column are explained in table 3-4.

Table 3-1. Numerical Listing of Electrical Parts

(TO BE SUPPLIED)

Table 3-2. Numerical Listing of Mechanical Parts

(TO BE SUPPLIED)

Table 3-3. Reference Designations and Abbreviations

REFERENCE DESIGNATIONS		
A = assembly B = motor, synchro BT = battery C = capacitor CB = circuit breaker CR = diode DL = delay line DS = indicator E = Misc electrical parts F = fuse FL = filter J = receptacle connector	K = relay L = inductor M = meter MC = microcircuit P = plug connector Q = semiconductor device other than diode or microcircuit R = resistor RT = thermistor S = switch T = transformer	TB = terminal board TP = test point U = integrated circuit, non-repairable assembly V = vacuum tube, photocell, etc. VR = voltage regulator W = cable, jumper X = socket Y = crystal Z = tuned cavity, network
ABBREVIATIONS		
A = amperes ac = alternating current ad = anode Al = aluminum AR = as required adj = adjust assy = assembly B = base bp = bandpass blk = black blu = blue brn = brown brs = brass Btu = British thermal unit Be Cu = beryllium copper C = collector cw = clockwise ccw = counterclockwise cer = ceramic cmo = cabinet mount only com = common crt = cathode-ray tube CTL = complementary-transistor logic cath = cathode cd pl = cadmium plate Comp = composition conn = connector compl = complete dc = direct current dr = drive DTL = diode-transistor logic depc = deposited carbon dpdt = double-pole, double-throw dpst = double-pole, single-throw E = emitter ECL = emitter-coupled logic ext = external encap = encapsulated elctlt = electrolytic F = farads FF = flip-flop flh = flat head FIm = film Fxd = fixed filh = fillister head G = giga (10^9) Ge = germanium gl = glass gnd = ground(ed)	gra = gray grn = green H = henries Hg = mercury hr = hour(s) Hz = hertz hdw = hardware hex = hexagon, hexagonal ID = inside diameter IF = intermediate frequency in. = inch, inches I/O = input/output int = internal incl = include(s) insul = insulation, insulated impgrg = impregnated incand = incandescent k = kilo (10^3), kilohm lp = low pass m = milli (10^{-3}) M = mega (10^6), megohm My = Mylar mfr = manufacturer mom = momentary mtg = mounting misc = miscellaneous Met Ox = metal oxide mintr = miniature n = nano (10^{-9}) n.c. = normally closed or no connection Ne = neon no. = number n.o. = normally open np. = nickel plated NPN = negative-positive-negative NPO = negative-positive zero (zero temperature coefficient) NSR = not separately replaceable NRFR = not recommended for field replacement OD = outside diameter OBD = order by description orn = orange ovh = oval head oxd = oxide p = pico (10^{-12}) PC = printed circuit	ph = Phillips head pk = peak p-p = peak-to-peak pt = point PIV = peak inverse voltage PNP = positive-negative-positive PWV = peak working voltage porc = porcelain posn = position(s) pozi = pozidrive rf = radio frequency rdh = round head rmo = rack mount only rms = root-mean-square RWV = reverse working voltage rect = rectifier r/min = revolutions per minute RTL = resistor-transistor logic s = second SB = slow blow Se = selenium Si = silicon scr = silicon controlled rectifier sil = silver sst = stainless steel stl = steel spcl = special spdt = single-pole, double-throw spst = single-pole, single-throw semicond = semiconductor Ta = tantalum td = time delay Ti = titanium tgl = toggle thd = thread tol = tolerance TTL = transistor transistor logic U(μ) = micro (10^{-6}) V = volt(s) var = variable vio = violet VDCW = direct current working volts W = watts WW = wirewound wht = white WIV = working inverse voltage yel = yellow

Table 3-4. Code List of Manufacturers

The following code numbers are from the Federal Supply Code for Manufacturers Cataloging Handbooks H4-1 (Name to Code) and H4-2 (Code to Name) and their latest supplements. The date of revision and the date of the supplements used appear at the bottom of each page. Alphabetical codes have been arbitrarily assigned to suppliers not appearing in the H4 Handbooks.

Code No.	Manufacturer	Address	Code No.	Manufacturer	Address	Code No.	Manufacturer	Address
00000	U.S.A Common	Any supplier of U.S.	05347	Ultronix, Inc.	San Mateo, Cal.	11236	CTS of Berne, Inc.	Berne, Ind.
00136	McCoy Electronics	Mount Holly Springs, Pa.	05397	Union Carbide Corp., Elect.		11237	Chicago Telephone of	
00213	Sage Electronics Corp.	Rochester, N. Y.		Div.	New York, N. Y.		California, Inc.	So. Pasadena, Cal.
00287	Cemco, Inc.	Danielson, Conn.	05574	Viking Ind. Inc.	Canoga Park, Cal.	11242	Bay State Electronics Corp.	Waltham, Mass.
00334	Humidial	Colton, Calif.	05593	Icore Electro-Plastics Inc.	Sunnyvale, Cal.	11312	Teledyne Inc., Microwave	
00348	Mictron, Co., Inc.	Valley Stream, N. Y.	05616	Cosmo Plastic (c/o Electrical			Div.	Palo Alto, Cal.
00373	Carlock Inc.	Cherry Hill, N. J.		Spec. Co.)	Cleveland, Ohio	11314	National Seal	Downey, Cal.
00656	Aerovox Corp.	New Bedford, Mass.	05624	Barber Colman Co.	Rockford, Ill.	11453	Precision Connector Corp.	Jamaica, N. Y.
00779	Amp. Inc.	Harrisburg, Pa.	05728	Tiffen Optical Co.		11534	Duncan Electronics Inc.	Costa Mesa, Cal.
00781	Aircraft Radio Corp.	Boonton, N. J.			Roslyn Heights, Long Island, N. Y.	11711	General Instrument Corp.,	
00809	Croven, Ltd.	Whitby, Ontario, Canada	05729	Metro-Tel Corp.	Westbury, N. Y.		Semiconductor Division Products	
00815	Northern Engineering		05783	Stewart Engineering Co.	Santa Cruz, Cal.		Group	Newark, N. J.
	Laboratories, Inc.	Burlington, Wis.	05820	Wakefield Engineering Inc.	Wakefield, Mass.	11717	Imperial Electronic, Inc.	Buena Park, Cal.
00853	Sangamo Electric Co.,		06004	Bassick Co., Div. of Stewart		11870	Melabs, Inc.	Palo Alto, Cal.
	Pickens Div.	Pickens, S. C.		Warner Corp.	Bridgeport, Conn.	12136	Philadelphia Handle Co.	Camden, N. J.
00866	Goe Engineering Co.	City of Industry, Cal.	06090	Raychem Corp.	Redwood City, Cal.	12361	Grove Mfg. Co., Inc.	Shady Grove, Pa.
00891	Carl E. Holmes Corp.	Los Angeles, Cal.	06175	Bausch and Lomb Optical		12574	Gulton Ind. Inc., Data System	
00929	Microlab Inc.	Livingston, N. J.		Co.	Rochester, N. Y.		Div.	Albuquerque, N. M.
01002	General Electric Co.,		06402	E. T. A. Products Co. of		12697	Clarostat Mfg. Co.	Dover, N. H.
	Capacitor Dept.	Hudson Falls, N. Y.		America	Chicago, Ill.	12728	Elmar Filter Corp.	W. Haven, Conn.
01009	Alden Products Co.	Brockton, Mass.	06540	Amatonic Electronic Hardware		12859	Nippon Electric Co., Ltd.	Tokyo, Japan
01121	Allen Bradley Co.	Milwaukee, Wis.		Co., Inc.	New Rochelle, N. Y.	12881	Metex Electronics Corp.	Clark, N. J.
01255	Litton Industries, Inc.	Beverly Hills, Cal.	06555	Beede Electrical Instrument		12930	Delta Semiconductor Inc.	Newport Beach, Cal.
01281	TRW Semiconductors, Inc.	Lawndale, Cal.		Co., Inc.	Penacook, N. H.	12954	Dickson Electronics Corp.	Scottsdale, Arizona
01295	Texas Instruments, Inc.,		06666	General Devices Co., Inc.	Indianapolis, Ind.	13019	Airco Supply Co., Inc.	Wichita, Kansas
	Transistor Products Div.	Dallas, Texas	06751	Components Inc., Ariz. Div.	Phoenix, Arizona	13061	Wilco Products	Detroit, Mich.
01349	The Alliance Mfg. Co.	Alliance, Ohio	06812	Torrington Mfg. Co., West Div.	Van Nuys, Cal.	13103	Thermolloy	Dallas, Texas
01538	Small Parts Inc.	Los Angeles, Cal.	06980	Varian Assoc. Etmac Div.	San Carlos, Cal.	13327	Solitron Devices Inc.	Tappan, N. Y.
01589	Pacific Relays, Inc.	Van Nuys, Cal.	07088	Kelvin Electric Co.	Van Nuys, Cal.	13396	Telefunken (GmbH)	Hanover, Germany
01670	Gudebrod Bros. Silk Co.	New York, N. Y.	07126	Digitran Co.	Pasadena, Cal.	13835	Midland-Wright Div. of	
01930	Amerock Corp.	Rockford, Ill.	07137	Transistor Electronics			Pacific Industries, Inc.	Kansas City, Kansas
01960	Pulse Engineering Co.	Santa Clara, Cal.		Corp.	Minneapolis, Minn.	14099	Sem-Tech	Newbury Park, Cal.
02114	Ferroxcube Corp. of		07138	Westinghouse Electric		14193	Calif. Resistor Corp.	Santa Monica, Cal.
	America	Saugerties, N. Y.		Corp., Electronic Tube Div.	Elmira, N. Y.	14298	American Components, Inc.	Conshohocken, Pa.
02116	Wheelock Signals, Inc.	Long Branch, N. J.	07149	Filmohm Corp.	New York, N. Y.	14433	ITT Semiconductor, a Div. of	
02186	Cole Rubber and Plastics Inc.	Sunnyvale, Cal.	07233	Cinch-Graphik Co.	City of Industry, Cal.		Int. Telephone and Telegraph	
02360	Amphenol-Borg Electronics		07256	Silicon Transistor Corp.	Carle Place, N. Y.		Corporation	West Palm Beach, Fla.
	Corp.	Broadview, Ill.	07261	Avnet Corp.	Culver City, Cal.	14493	Hewlett-Packard Company.	Loveland, Colo.
02735	Radio Corp. of America, Semi-		07263	Fairchild Camera & Inst. Corp.,		14655	Cornell Dublier Electric Corp.	Newark, N. J.
	conductor and Materials			Semiconductor Div.	Mountain View, Cal.	14674	Corning Glass Works	Corning, N. Y.
	Division	Somerville, N. J.	07322	Minnesota Rubber Co.	Minneapolis, Minn.	14752	Electro Cube Inc.	San Gabriel, Cal.
02771	Vocaline Co. of America,		07387	Birtcher Corp, The	Monterey Park, Cal.	14960	Williams Mfg. Co.	San Jose, Cal.
	Inc.	Old Saybrook, Conn.	07397	Sylvania Elect. Prod. Inc.,		15106	The Sphere Co., Inc.	Little Falls, N. J.
02777	Hopkins Engineering Co.	San Fernando, Cal.		Mt. View Operations	Mountain View, Cal.	15203	Webster Electronics Co.	New York, N. Y.
02875	Hudson Tool & Die	Newark, N. J.	07700	Technical Wire Products		15287	Scionics Corp.	Northridge, Cal.
03296	Nylon Molding Corp.	Springfield, N. J.		Inc.	Cranford, N. J.	15291	Adjustable Bushing Co.	N. Hollywood, Cal.
03508	G. E. Semiconductor Prod.		07829	Bodine Elect. Co.	Chicago, Ill.	15558	Micron Electronics. Garden City, Long Island, N. Y.	
	Dept.	Syracuse, N. Y.	07910	Continental Device Corp.	Hawthorne, Cal.	15566	Amprobe Inst. Corp.	Lynbrook, N. Y.
03705	Apex Machine & Tool Co.	Dayton, Ohio	07933	Raytheon Mfg. Co., Semi-		15631	Cabletronics	Costa Mesa, Cal.
03797	Eldema Corp.	Compton, Calif.		conductor Div.	Mountain View, Cal.	15772	Twentieth Century Coil	
03818	Parker Seal Co.	Los Angeles, Cal.	07980	Hewlett-Packard Co.,			Spring Co.	Santa Clara, Cal.
03877	Transitron Electric Corp.	Wakefield, Mass.		New Jersey Division	Rockaway, N. J.	15801	Fenwal Elect. Inc.	Framingham, Mass.
03888	Pyrofilm Resistor Co.,		08145	U.S. Engineering Co.	Los Angeles, Cal.	15818	Amelco Inc.	Mountain View, Cal.
	Inc.	Cedar Knolls, N. J.	08289	Blinn, Delbert Co.	Pomona, Cal.	16037	Spruce Pine Mica Co.	Spruce Pine, N. C.
03954	Singer Co., Diehl Div.,		08358	Burgess Battery Co.		16179	Omni-Spectra Inc.	Detroit, Ill.
	Finderne Plant	Sumerville, N. J.	08524	Deutsch Fastener Corp.	Los Angeles, Cal.	16352	Computer Diode Corp.	Lodi, N. J.
04009	Arrow, Hart and Hegeman		08664	Bristol Co., The	Waterbury, Conn.	16554	Electroid Co.	Union, N. J.
	Elect. Co.	Hartford, Conn.	08717	Sloan Company	Sun Valley, Cal.	16585	Boots Aircraft Nut Corp.	Pasadena, Cal.
04013	Tarus Corp.	Lambertville, N. J.	08718	ITT Cannon Electric Inc.,		16688	Ideal Prec. Meter Co., Inc.,	
04062	Arco Electronic Inc.	Great Neck, N. Y.		Phoenix Div.	Phoenix, Arizona		De Jur Meter Div.	Brooklyn, N. Y.
04217	Essex Wire	Los Angeles, Cal.	08727	National Radio Lab. Inc.	Paramus, N. J.	16758	Delco Radio Div. of G. M. Corp.	Kokomo, Ind.
04222	Hi-Q Division of Aerovox.	Myrtle Beach, S. C.	08792	CBS Electronics Semiconductor		17109	Thermonetics Inc.	Canoga Park, Cal.
04354	Precision Paper Tube Co.	Wheeling, Ill.		Operations, Div. of CBS Inc	Lowell, Mass.	17474	Tranex Company	Mountain View, Cal.
04404	Palo Alto Division of Hewlett-		08806	General Electric Co.,		17675	Hamlin Metal Products Corp.	Akron, Ohio
	Packard Co.	Palo Alto, Cal.		Miniature Lamp Dept.	Cleveland, Ohio	17745	Angstrom Prec. Inc.	No. Hollywood, Cal.
04651	Sylvania Electric Products,		08984	Mel-Rain	Indianapolis, Ind.	17856	Siliconix Inc.	Sunnyvale, Cal.
	Microwave Device Div.	Mountain View, Cal.	09026	Babcock Relays Div.	Costa Mesa, Cal.	17870	McGraw-Edison Co.	Manchester, N. H.
04673	Dakota Engr. Inc.	Culver City, Cal.	09097	Electronic Enclosures Inc.	Los Angeles, Calif.	18042	Power Design Pacific Inc.	Palo Alto, Cal.
04713	Motorola Inc. Semiconductor		09134	Texas Capacitor Co.	Houston, Texas	18083	Clevite Corp. Semiconductor Div.	Palo Alto, Cal.
	Prod. Div.	Phoenix, Arizona	09145	Tech. Ind. Inc. Atohm		18324	Signetics Corp.	Sunnyvale, Cal.
04732	Filtron Co., Inc. Western			Elect.	Burbank, Cal.	18476	Ty-Car Mfg. Co., Inc.	Holliston, Mass.
	Div.	Culver City, Cal.	09250	Electro Assemblies, Inc.	Chicago, Ill.	18486	TRW Elect. Comp. Div.	Des Plaines, Ill.
04773	Automatic Electric Co.	Northlake, Ill.	09353	C & K Components Inc.	Newton, Mass.	18565	Chomerics	Plainville, Mass.
04796	Sequoia Wire Co.	Redwood City, Cal.	09569	Mallory Battery Co. of		18583	Curtis Instrument, Inc.	Mt. Kisco, N. Y.
04811	Precision Coil Spring Co.	El Monte, Cal.		Canada, Ltd.	Toronto, Ontario, Canada	18612	Vishay Instruments Inc.	Malvern, Pa.
04870	P. M. Motor Company	Westchester, Ill.	09795	Pennsylvania Fluorocarbon. Clifton Heights, Penn.		18873	E. I. DuPont and Co., Inc.	Wilmington, Del.
04919	Component Mfg. Service		09922	Burndy Corp.	Norwalk, Conn.	18911	Durant Mfg. Co.	Milwaukee, Wis.
	Co.	W. Bridgewater, Mass.	10214	General Transistor Western		19315	The Bendix Corp., Navigation &	
05006	Twentieth Century Plastics,			Corp.	Los Angeles, Cal.		Control Div.	Teterboro, N. J.
	Inc.	Los Angeles, Cal.	10411	Ti-Tal, Inc.	Berkeley, Cal.	19500	Thomas A. Edison Industries,	
05277	Westinghouse Electric Corp.		10646	Carborundum Co.	Niagara Falls, N. Y.		Div. of McGraw-Edison	West Orange, N. J.
	Semiconductor Dept.	Youngwood, Pa.				19589	Concoa	Baldwin Park, Cal.

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H4-1 Dated January 1970

Table 3-4. Code List of Manufacturers (Continued)

Code No.	Manufacturer	Address	Code No.	Manufacturer	Address	Code No.	Manufacturer	Address
19644	LRC Electronics	Horseheads, N. Y.	71482	C. P. Clare & Co.	Chicago, Ill.	78452	Thompson-Bremer & Co.	Chicago, Ill.
19701	Electra Mfg. Co.	Independence, Kansas	71590	Centralab Div. of Globe Union Inc.	Milwaukee, Wis.	78471	Tilley Mfg. Co.	San Francisco, Cal.
20183	General Atomics Corp.	Philadelphia, Pa.	71616	Commercial Plastics Co.	Chicago, Ill.	78488	Stackpole Carbon Co.	St. Marys, Pa.
21226	Executone, Inc.	Long Island City, N. Y.	71700	Cornish Wire Co., The	New York, N. Y.	78493	Standard Thomson Corp.	Waltham, Mass.
21355	Fafnir Bearing Co., The	New Britain, Conn.	71707	Coto Coil Co., Inc.	Providence, R. I.	78553	Tinnerman Products, Inc.	Cleveland, Ohio
21520	Fansteel Metallurgical Corp.	N. Chicago, Ill.	71744	Chicago Miniature Lamp Works	Chicago, Ill.	78790	Transformer Engineers	San Gabriel, Cal.
23020	General Reed Co.	Metuchen, N. J.	71785	Cinch Mfg. Co.		78947	Ucinite Co.	Newtonville, Mass.
23042	Texscan Corp.	Indianapolis, Ind.		Howard B. Jones Div.	Chicago, Ill.	79136	Waldes Kohinoor Inc.	Long Island City, N. Y.
23783	British Radio Electronics Ltd.	Washington, D.C.	71984	Dow Corning Corp.	Midland, Mich.	79142	Veeder Root, Inc.	Hartford, Conn.
24455	G. E. Lamp Division, Nela Park	Cleveland, Ohio	72136	Electro Motive Mfg. Co., Inc.		79251	Wenco Mfg. Co.	Chicago, Ill.
24655	General Radio Co.	West Concord, Mass.			Willimantic, Conn.	79727	Continental-Wirt Electronics Corp.	
24681	Memcor Inc., Comp. Div.	Huntington, Ind.	72619	Dialight Corp.	Brooklyn, N. Y.			Philadelphia, Pa.
26365	Gries Reproducer Corp.	New Rochelle, N. Y.	72656	Indiana General Corp.		79963	Zierick Mfg. Corp.	New Rochelle, N. Y.
26462	Grobert File Co. of America, Inc.	Carlstadt, N. J.		Electronics Div.	Keasby, N. J.	80031	Mepco Division of Sessions Clock Co.	
26851	Compac Hollister Co.	Hollister, Cal.	72699	General Instrument Corp., Cap Division	Newark, N. J.	80033	Prestole Corp.	Morristown, N. J.
26992	Hamilton Watch Co.	Lancaster, Pa.	72765	Drake Mfg. Co.	Harwood Heights, Ill.	80120	Schnitzer Alloy Products Co.	Elizabeth, N. J.
28480	Hewlett-Packard Co.	Palo Alto, Cal.	72825	Hugh H. Eby Inc.	Philadelphia, Pa.	80131	Electronic Industries Association. Standard tube or semi-conductor device, any manufacturer.	
28520	Heyman Mfg. Co.	Kenilworth, N. J.	72928	Gudeman Co.	Chicago, Ill.	80207	Unimax Switch, Div. Maxon Electronics Corp.	Wallingford, Conn.
30817	Instrument Specialties Co., Inc.	Little Falls, N. J.	72962	Elastic Stop Nut Corp.	Union, N. J.	80223	United Transformer Corp.	New York, N. Y.
33173	G. E. Receiving Tube Dept.	Owensboro, Ky.	72964	Robert M. Hadley Co.	Los Angeles, Cal.	80248	Oxford Electric Corp.	Chicago, Ill.
35434	Lectrohm Inc.	Chicago, Ill.	72982	Erie Technological Products, Inc.	Erie, Pa.	80294	Bourns Inc.	Riverside, Cal.
36196	Stanwyck Coil Products, Ltd.	Hawkesbury, Ontario, Canada	73061	Hansen Mfg. Co., Inc.	Princeton, Ind.	80411	Arco Div. of Robertshaw Controls Co.	
36287	Cunningham, W. H. & Hill, Ltd.	Toronto, Ontario, Canada	73076	H. M. Harper Co.	Chicago, Ill.			Columbus, Ohio
37942	P. R. Mallory & Co., Inc.	Indianapolis, Ind.	73138	Helipot Div. of Beckman Inst., Inc.		80486	All Star Products Inc.	Defiance, Ohio
39543	Mechanical Industries Prod. Co.	Akron, Ohio	73293	Hughes Products Division of Hughes Aircraft Co.	Newport Beach, Cal.	80509	Avery Label Co.	Monrovia, Cal.
40920	Miniature Precision Bearings, Inc.	Keene, N. H.	73445	Amperex Elect. Co.	Hicksville, L. I., N. Y.	80583	Hammarlund Co., Inc.	Mars Hill, N. C.
40931	Homeywell Inc.	Minneapolis, Minn.	73506	Bradley Semiconductor Corp.		80640	Stevens, Arnold, Co., Inc.	Boston, Mass.
42190	Muter Co.	Chicago, Ill.			New Haven, Conn.	80813	Dimco Gray Co.	Dayton, Ohio
43990	C. A. Norgren Co.	Englewood, Colo.	73559	Carling Electric, Inc.	Hartford, Conn.	81030	International Inst. Inc.	Orange, Conn.
44655	Ohmite Mfg. Co.	Skokie, Ill.	73586	Circle F Mfg. Co.	Trenton, N. J.	81073	Grayhill Co.	LaGrange, Ill.
46384	Penn Eng. & Mfg. Corp.	Doylestown, Pa.	73682	George K. Garrett Co., Div. MSL Industries, Inc.	Philadelphia, Pa.	81095	Triad Transformer Corp.	Venice, Cal.
47904	Polaroid Corp.	Cambridge, Mass.	73734	Federal Screw Products, Inc.	Chicago, Ill.	81312	Winchester Elec. Div. Litton Ind., Inc.	
48620	Precision Thermometer & Inst. Co.	Southampton, Pa.	73743	Fischer Special Mfg. Co.	Cincinnati, Ohio			Oakville, Conn.
49956	Microwave & Power Tube Div.	Waltham, Mass.	73793	General Industries Co., The	Elyria, Ohio	81349	Military Specification	
52090	Rowan Controller Co.	Westminster, Md.	73846	Goshen Stamping & Tool Co.	Goshen, Ind.	81483	International Rectifier Corp.	El Segundo, Cal.
52983	HP Co., Med. Elec. Div.	Waltham, Mass.	73899	JFD Electronics Corp.	Brooklyn, N. Y.	81541	Airpax Electronics, Inc.	Cambridge, Maryland
54294	Shallcross Mfg. Co.	Selma, N. C.	73905	Jennings Radio Mfg. Corp.	San Jose, Cal.	81860	Barry Controls, Div. Barry Wright Corp.	
55026	Simpson Electric Co.	Chicago, Ill.	73957	Groove-Pin Corp.	Ridgefield, N. J.			Watertown, Mass.
55933	Sonotone Corp.	Elmsford, N. Y.	74276	Signalite Inc.	Neptune, N. J.	82042	Carter Precision Electric Co.	Skokie, Ill.
55938	Sonytheon Co. Commercial Apparatus & System Div.	So. Norwalk, Conn.	74455	J. H. Winns, and Sons	Winchester, Mass.	82047	Sperti Faraday Inc., Copper Hewitt Electric Div.	Hoboken, N. J.
56137	Spaulding Fibre Co., Inc.	Tonawanda, N. Y.	74861	Industrial Condenser Corp.	Chicago, Ill.	82116	Electric Regulator Corp.	Norwalk, Conn.
56289	Sprague Electric Co.	North Adams, Mass.	74868	R. F. Products Division of Amphenol-Borg Electronic Corp.		82142	Jeffers Electronics Division of Speer Carbon Co.	Du Bois, Pa.
58474	Superior Elect. Co.	Bristol, Conn.			Danbury, Conn.	82170	Fairchild Camera & Inst. Corp., Space & Defense Systems Div.	Paramus, N. J.
59446	Telex Corp.	Tulsa, Okla.	74970	E. F. Johnson Co.	Waseca, Minn.	82209	Magurie Industries, Inc.	Greenwich, Conn.
59730	Thomps & Betts Co.	Elizabeth, N. J.	75042	International Resistance Co.	Philadelphia, Pa.	82219	Sylvania Electric Prod., Inc. Electronic Tube Division	Emporium, Pa.
60741	Triplet Electrical Inst. Co.	Bluffton, Ohio	75263	Keystone Carbon Co., Inc.	St. Marys, Pa.	82376	Astron Corp.	East Newark, Harrison, N. J.
61775	Union Switch and Signal Div. of Westinghouse Air Brake Co.	Pittsburgh, Pa.	75378	CTS Knights, Inc.	Sandwich, Ill.	82389	Switchcraft, Inc.	Chicago, Ill.
62119	Universal Electric Co.	Owosso, Mich.	75382	Kulka Electric Corp.	Mt. Vernon, N. Y.	82647	Metals & Controls Inc., Spencer Products	Attleboro, Mass.
63743	Ward-Leonard Electric Co.	Mt. Vernon, N. Y.	75818	Lenz Electric Mfg. Co.	Chicago, Ill.	82768	Phillips-Advance Control Co.	Joliet, Ill.
64959	Western Electric Co., Inc.	New York, N. Y.	75915	Littlefuse, Inc.	Des Plaines, Ill.	82866	Research Products Corp.	Madison, Wis.
65092	Weston Inst. Inc. Weston-Newark	Newark, N. J.	76005	Lord Mfg. Co.	Erie, Pa.	82877	Rolton Mfg. Co., Inc.	Woodstock, N. Y.
66295	Wittek Mfg. Co.	Chicago, Ill.	76210	C. W. Marwedel	San Francisco, Cal.	82893	Vector Electronic Co.	Glendale, Cal.
66346	Minnesota Mining & Mfg. Co.		76433	General Instrument Corp., Micamold Division	Newark, N. J.	83058	Carr Fastener Co.	Cambridge, Mass.
	Revere Mincom Div.	St. Paul, Minn.	76487	James Millen Mfg. Co., Inc.	Malden, Mass.	83086	New Hampshire Ball Bearing, Inc.	Peterborough, N. H.
70276	Allen Mfg. Co.	Hartford, Conn.	76493	J. W. Miller Co.	Los Angeles, Cal.			Brookfield, Mass.
70309	Allied Control	New York, N. Y.	76530	Cinch-Monadnock, Div. of United Carr Fastener Corp.	San Leandro, Cal.	83125	General Instrument Corp., Capacitor Div.	Darlington, S. C.
70318	Almetal Screw Product Co., Inc.		76545	Mueller Electric Co.	Cleveland, Ohio	83148	ITT Wire and Cable Div.	Los Angeles, Cal.
		Garden City, N. Y.	76703	National Union	Newark, N. J.	83186	Victory Eng. Corp.	Springfield, N. J.
70417	Amplex, Div. of Chrysler Corp.	Detroit, Mich.	76854	Oak Manufacturing Co.	Crystal Lake, Ill.	83298	Bendix Corp., Red Bank Div.	Red Bank, N. J.
70485	Atlantic India Rubber Works, Inc.	Chicago, Ill.	77068	The Bendix Corp., Electrodynamics Div.	N. Hollywood, Cal.	83315	Hubbell Corp.	Mundelein, Ill.
70563	Amperite Co., Inc.	Union City, N. J.	77075	Pacific Metals Co.	San Francisco, Cal.	83324	Rosan Inc.	Newport Beach, Cal.
70674	ADC Products Inc.	Minneapolis, Minn.	77221	Phaostroan Instrument and Electronic Co.	So. Pasadena, Cal.	83330	Smith, Herman H., Inc.	Brooklyn, N. Y.
70903	Belden Mfg. Co.	Chicago, Ill.	77252	Philadelphia Steel and Wire Corp.	Philadelphia, Pa.	83332	Tech Labs	Palisades Park, N. J.
70998	Bird Electric Corp.	Cleveland, Ohio	77342	American Machine & Foundry Co., Potter & Brumfield Div.	Princeton, Ind.	83385	Central Screw Co.	Chicago, Ill.
71002	Birnback Radio Co.	New York, N. Y.	77630	TRW Electronic Components Div.	Camden, N. J.	83501	Gavitt Wire and Cable Co., Div. of Amerace Corp.	Brookfield, Mass.
71034	Bliley Electric Co., Inc.	Erie, Pa.	77638	General Instrument Corp., Rectifier Division	Brooklyn, N. Y.	83594	Burroughs Corp., Electronic Tube Div.	Plainfield, N. J.
71041	Boston Gear Works Div. of Murray Co. of Texas	Quincy, Mass.	77764	Resistance Products Co.	Harrisburg, Pa.	83740	Union Carbide Corp., Consumer Prod. Div.	New York, N. Y.
71218	Bud Radio, Inc.	Willoughby, Ohio	77969	Rubbercraft Corp. of Calif.	Torrance, Cal.	83777	Model Eng. and Mfg., Inc.	Huntington, Ind.
71279	Cambridge Thermionics Corp.	Cambridge, Mass.	78189	Shakeproof Division of Illinois Tool Works	Elgin, Ill.	83821	Lloyd Scruggs Co.	Festus, Mo.
71286	Camloc Fastener Corp.	Paramus, N. J.	78277	Sigma	So. Braintree, Mass.	83942	Aeronautical Inst. & Radio Co.	Lodi, N. J.
71313	Cardwell Condenser Corp.		78283	Signal Indicator Corp.	New York, N. Y.	84171	Arco Electronics Inc.	Great Neck, N. Y.
		Lindenhurst, L. I., N. Y.	78290	Struthers-Dunn Inc.	Pitman, N. J.	84396	A. J. Glesener Co., Inc.	San Francisco, Cal.
71400	Bussmann Mfg. Div. of McGraw-Edison Co.	St. Louis, Mo.				84411	TRW Capacitor Div.	Ogallala, Neb.
71436	Chicago Condenser Corp.	Chicago, Ill.						
71447	Calif. Spring Co., Inc.	Pico-Rivera, Cal.						
71450	CTS Corp.	Elkhart, Ind.						
71468	ITT Cannon Electric Inc.	Los Angeles, Cal.						
71471	Cinema, Div. Aerovox Corp.	Burbank, Cal.						

Table 3-4. Code List of Manufacturers (Continued)

Code No.	Manufacturer	Address	Code No.	Manufacturer	Address	Code No.	Manufacturer	Address
94870	Sarkes Tarzian, Inc.	Bloomington, Ind.	91929	Honeywell Inc., Micro Switch Division	Freeport, Ill.	96095	Hi-Q Div. of Aerovox Corp.	Olean, N.Y.
85454	Boonton Molding Company	Boonton, N.J.				96256	Thordarson-Meissner Inc.	Mt. Carmel, Ill.
35471	A. B. Boyd Co.	San Francisco, Cal.	91961	Nahm-Bros. Spring Co.	Oakland, Cal.	96296	Solar Mfg. Co.	Los Angeles, Cal.
35474	R.M. Bracamonte & Co.	San Francisco, Cal.	92180	Tru-Connector Corp.	Peabody, Mass.	96396	Microswitch, Div. of	
35660	Koiled Kords, Inc.	Hamden, Conn.	92367	Elgeet Optical Co., Inc.	Rochester, N.Y.		Minn.-Honeywell	Freeport, Ill.
35911	Seamless Rubber Co.	Chicago, Ill.	92607	Tensolite Insulated Wire Co., Inc.		96330	Carlton Screw Co.	Chicago, Ill.
36174	Fafnir Bearing Co.	Los Angeles, Calif.				96341	Microwave Associates, Inc.	Burlington, Mass.
36197	Clifton Precision Products Co., Inc.	Clifton Heights, Pa.	92702	IMC Magnetics Corp.	Westbury, L.I., N.Y.	96501	Excel Transformer Co.	Oakland, Cal.
36579	Precision Rubber Products Corp.	Dayton, Ohio	92966	Hudson Lamp Co.	Kearney, N.J.	96508	Xcelite, Inc.	Orchard Park, N.Y.
36684	Radio Corp. of America, Electronic Comp. & Devices Division	Harrison, N.J.	93332	Sylvania Electric Prod. Inc., Semiconductor Div.	Woburn, Mass.	96733	San Fernando Elec. Mfg. Co.	San Fernando, Cal.
36928	Seastrom Mfg. Co.	Glendale, Cal.	93369	Robbins & Myers Inc.	Pallisades Park, N.J.	96881	Thomson Ind. Inc.	Long Island, N.Y.
37034	Marco Industries	Anaheim, Cal.	93410	Stemco Controls, Div. of Essex Wire Corp.	Mansfield, Ohio	97464	Industrial Retaining Ring Co.	Irvington, N.J.
37216	Philco Corporation (Lansdale Division)	Lansdale, Pa.	93632	Waters Mfg. Co.	Culver City, Cal.	97539	Automatic & Precision Mfg.	Englewood, N.J.
37473	Western Fibrous Glass Products Co.	San Francisco, Cal.	93929	G.V. Controls	Livingston, N.J.	97979	Reon Resistor Corp.	Yonkers, N.Y.
37664	Van Waters & Rogers Inc.	San Francisco, Cal.	94137	General Cable Corp.	Bayonne, N.J.	97983	Litton System Inc., Adler-Westrex Commun. Div.	New Rochelle, N.Y.
37930	Tower Mfg. Corp.	Providence, R.I.	94144	Raytheon Co., Comp. Div., Ind. Comp. Operations	Quincy, Mass.	98141	R-Tronics, Inc.	Jamaica, N.Y.
38140	Cutler-Hammer, Inc.	Lincoln, Ill.	94148	Scientific Electronics Products, Inc.	Loveland, Colo.	98159	Rubber Teck, Inc.	Cadena, Cal.
38220	Gould-National Batteries, Inc.	St. Paul, Minn.	94154	Wagner Elect. Corp., Tung-Sol Div.	Newark, N.J.	98220	Hewlett-Packard Co., Medical Elec. Div.	Pasadena, Cal.
38698	General Mills, Inc.	Buffalo, N.Y.	94197	Curtiss-Wright Corp., Electronics Div.	East Patterson, N.J.	98278	Microdot, Inc.	So. Pasadena, Cal.
39231	Graybar Electric Co.	Oakland, Cal.	94222	South Chester Corp.	Chester, Pa.	98291	Sealectro Corp.	Mamaronech, N.Y.
39473	G.E. Distributing Corp.	Schenectady, N.Y.	94330	Wire Cloth Products, Inc.	Bellwood, Ill.	98376	Zero Mfg. Co.	Burbank, Cal.
39479	Security Co.	Detroit, Mich.	94375	Automatic Metal Products Co.	Brooklyn, N.Y.	98410	Etc. Inc.	Cleveland, Ohio
39665	United Transformer Co.	Chicago, Ill.	94682	Worcester Pressed Aluminum Corp.	Worcester, Mass.	98731	General Mills Inc., Electronics Div.	Minneapolis, Minn.
00030	United Shoe Machinery Corp.	Beverly, Mass.	94696	Magnecraft Electric Co.	Chicago, Ill.	98734	Paecco Division of Hewlett-Packard Co.	Palo Alto, Cal.
00179	U.S. Rubber Co., Consumer Ind. & Plastics Prod. Div.	Passaic, N.J.	95023	George A. Philbrick Researchers, Inc.	Boston, Mass.	98821	North Hills Electronics, Inc.	Glen Cove, N.Y.
00365	Belleville Speciality Tool Mfg., Inc.	Belleville, Ill.	95146	Alco Elect. Mfg. Co.	Lawrence, Mass.	98978	International Electronic Research Corp.	Burbank, Cal.
00763	United Carr Fastener Corp.	Chicago, Ill.	95236	Allies Products Corp.	Dania, Fla.	99109	Columbia Technical Corp.	New York, N.Y.
00970	Bearing Engineering Co.	San Francisco, Cal.	95238	Continental Connector Corp.	Woodside, N.Y.	99313	Varian Associates	Palo Alto, Cal.
01146	ITT Cannon Elect. Inc., Salem Div.	Salem, Mass.	95263	Leecraft Mfg. Co., Inc.	Long Island, N.Y.	99378	Atlee Corp.	Winchester, Mass.
01260	Connor Spring Mfg. Co.	San Francisco, Cal.	95265	National Coil Co.	Sheridan, Wyo.	99515	Marshall Ind., Capacitor Div.	Monrovia, Cal.
01345	Miller Dial & Nameplate Co.	El Monte, Cal.	95275	Vitramon, Inc.	Bridgeport, Conn.	99707	Control Switch Division, Controls Co. of America	El Segundo, Cal.
01418	Radio Materials Co.	Chicago, Ill.	95348	Gordos Corp.	Bloomfield, N.J.	99800	Delevan Electronics Corp.	East Aurora, N.Y.
01506	Augat Inc.	Attleboro, Mass.	95354	Methode Mfg. Co.	Rolling Meadows, Ill.	99848	Wilco Corporation	Indianapolis, Ind.
01637	Dale Electronics, Inc.	Columbus, Nebr.	95566	Arnold Engineering Co.	Marengo, Ill.	99928	Branson Corp.	Whippany, N.J.
01662	Elco Corp.	Willow Grove, Pa.	95712	Dage Electric Co., Inc.	Franklin, Ind.	99934	Rembrandt, Inc.	Boston, Mass.
01673	Epiphone Inc.	New York, N.Y.	95984	Siemon Mfg. Co.	Wayne, Ill.	99942	Hoffman Electronics Corp., Semiconductor Division	El Monte, Cal.
01737	Gremar Mfg. Co., Inc.	Wakefield, Mass.	95987	Weckesser Co.	Chicago, Ill.	99957	Technology-Instrument Corp. of California	Newbury Park, Cal.
01827	K F Development Co.	Redwood City, Cal.	96067	Microwave Assoc., West, Inc.	Sunnyvale, Cal.			
01886	Malco Mfg., Inc.	Chicago, Ill.						

The following HP Vendors have no number assigned in the latest supplement to the Federal Supply Code for Manufacturers Handbook.

000F	Malco Tool and Die	Los Angeles, Calif.	000CS	Hewlett-Packard Co., Colorado Springs Div.	Colorado Springs, Colorado	000QQ	Cooltron	Oakland, Cal.
000Z	Willow Leather Products Corp.	Newark, N.J.	000MM	Rubber Eng. & Development	Hayward, Cal.	000WW	California Eastern Lab	Burlington, Cal.
00AB	ETA	England	000NN	A "N" D Mfg. Co.	San Jose, Cal.	000YY	S.K. Smith Co.	Los Angeles, Cal.
00BB	Precision Instrument Comp. Co.	Van Nuys, Cal.						